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of Transportation

Federal Highway
Administration

Highway Safety Performance—1982

Fatal and Injury Accident Rates on Public Roads in the United States

Offices of Highway Safety
and Highway Planning

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December 1983

A report of the Secretary of
Transportation to the United
States Congress pursuant to
Section 207 of the Surface
Transportation Assistance Act of
1982 (P.L. 97-424)

HIGHWAY SAFETY PERFORMANCE - 1982

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U.S. DEPARTMENT OF TRANSPORTATION
Federal Highway Administration
Washington, D.C. 20590

FOREWORD

This report was prepared pursuant to Section 207 of the Surface Transportation Assistance Act of 1982 (P.L. 97-424) which reads as follows:

Sec. 207. The Secretary of Transportation shall prepare, publish, and submit to Congress not later than December 31 of each calendar year beginning after December 31, 1982, a report on the highway safety performance of each State in the preceding calendar year. Such report shall provide data on highway fatalities and injuries and motor vehicle accidents involving fatalities and injuries and travel in urban areas of each State for each system of highways and in rural areas of such State for each system of highways. Such report shall be in such form and contain such other information on highway accidents as will permit an evaluation and comparison of highway safety performance of the States. For purposes of this section (1) the systems of highways in a State are the Federal-aid primary system, the Federal-aid secondary system, the Federal-aid urban system, and the Interstate System (as such terms are defined in section 101 of Title 23, United States Code) and the other highways in such State which are not on the Federal-aid system, and (2) the terms "State," "rural areas," and "urban area" have the meaning such terms have under such section 101.

The report contains an extension of a series of statistical data published annually since 1967 by the Federal Highway Administration (FHWA) as "Fatal and Injury Accident Rates on Federal-Aid and Other Highway Systems." The series has been a cooperative effort of the FHWA's Offices of Traffic Operations, Highway Safety, and Highway Planning. The States have provided the data for this series through the Highway Performance Monitoring System (HPMS), and its predecessors, administered by the Office of Highway Safety. Data from the Fatal Accident Reporting System (FARS) administered by the National Highway Traffic Safety Administration (NHTSA) have been used to verify and supplement the HPMS data.

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HIGHWAY SAFETY PERFORMANCE - 1982

SECTION I—INTRODUCTION

A. Purpose of Report

In response to the Congressional direction given in the Surface Transportation Assistance Act of 1982, this report provides motor vehicle traffic accident data which may be used, together with other relevant information, in evaluating and comparing the highway safety performance of the States. It is not the purpose of this report to present either a detailed analysis of the data or a completed evaluation or comparison of State highway safety performance. The text of the report is primarily technical detail and background information which may assist those who analyze or interpret the statistical tables and graphs.

B. Terminology

It is customary, when drafting legislation, to begin with definitions. These serve to introduce terms which are not in common use and to clarify the intended meaning of familiar terms which may be ambiguous. Interpretation of laws is greatly facilitated by the use of carefully defined terminology. Similarly, the interpretation of statistics is dependent upon an understanding of the terminology used in the collection and processing of the data. Such an understanding is particularly important when statistics from two or more sources are combined or compared. For this reason, an explanation of pertinent terminology precedes the statistical data in this report.

The two primary sources for the definitions which follow are Section 101 of Title 23 of the United States Code and the Manual on Classification of Motor Vehicle Traffic Accidents (ANSI D16.1-1976). It should be recognized that the accident data in this report have been collected and processed by thousands of persons in State and local agencies and that deviations from the standard definitions are not unusual. Most of the deviations are relatively minor, but some are not. Users of accident statistics should be constantly alert to the fact that statistical differences may reflect differences in terminology rather than differences in accident experience.

Terms used in this report are defined as follows:

A motor vehicle traffic accident is an accident involving a motor vehicle in use within the right-of-way or other boundaries of a trafficway open for the use of the public.

An injury is any bodily harm received by a person in a motor vehicle traffic accident.

A fatal injury is any injury that results in death.

A nonfatal injury is any injury other than a fatal injury.

A fatal accident is a motor vehicle traffic accident resulting in one or more fatal injuries.

A nonfatal injury accident is a motor vehicle traffic accident that results in one or more injuries, but no fatal injuries.

A fatality is the death of any person who suffers a fatal injury. For its statistics on motor vehicle traffic fatalities, the Department of Transportation uses a 30-day counting rule, including only those deaths which occur within 30 days of the fatal injury. Approximately two percent of traffic fatalities occur later.

A nonfatally injured person is one who suffers a nonfatal injury in either a fatal accident or a nonfatal injury accident.

Vehicle miles are the miles of travel by all types of motor vehicles, as determined by the State highway departments on the basis of actual traffic counts and established estimating procedures.

The fatal accident rate, nonfatal injury accident rate, fatality rate, and nonfatal injury rate are, respectively, the number of fatal accidents, nonfatal injury accidents, fatalities, and nonfatally injured persons per 100 million vehicle miles of travel.

An urban highway is any road or street within the boundaries of an urban area. An urban area is an area including and adjacent to a municipality or urban place with 5,000 or more population. The boundaries of urban areas are fixed by the State highway departments, subject to the approval of the Federal Highway Administration, for purposes of the Federal-Aid highway program.

A rural highway is any road or street which is not an urban highway.

Travel density is the average number of vehicle-miles driven on a section of highway each day divided by the length of the section in miles. It is expressed as a number of vehicles and may be referred to as average daily traffic (ADT).

The provisional rate-density relationship is the relationship between fatality rates and average daily traffic. It is based on data for the 4-year period preceding the calendar year for which detailed data are reported. It is labelled "provisional" to make it clear that it is to be used as a guide rather than a standard. A provisional rate-density relationship may be described graphically or mathematically by a rate-density curve.

A provisional range for a given period of time is based on a provisional rate-density relationship and the volume of travel. The provisional range indicates—for an appropriate volume of travel—the amount of deviation from fatality rates on a rate-density curve which might be expected if the deviation were random.

The characteristics of the functional classes of highways referred to in this compilation of statistical data are briefly described as follows:

Arterial highways serve major traffic movements or major traffic corridors. While they may provide access to abutting land, their primary function is to serve traffic moving through the area.

Local highways are those highways whose principal function is to provide direct access to abutting land.

Collector highways are those highways which link local highways to arterial highways.

The characteristics of the several Federal-aid highway systems referred to in this report are briefly described as follows:

Federal-Aid Primary, Secondary, and Urban highway systems are those for which Federal-Aid highway matching funds may be spent by the State.

The Federal-Aid Primary system is a system of connected main roads important to interstate, statewide, and regional travel, consisting of rural arterial routes and their extensions into or through urban areas.

The Interstate System is a part of the Federal-Aid Primary system. It is a system of freeways (i.e., expressways with fully controlled access) connecting and serving the principal cities of the United States.

The Federal-Aid Secondary system consists of rural collector routes.

The Federal-Aid Urban system consists of urban arterial and collector routes, exclusive of urban extensions of the Federal-Aid Primary system.

The fatality statistics in this report differ somewhat from those reported elsewhere. For its motor vehicle fatality statistics, the Department of Transportation (DOT) uses a 30-day counting rule.^{1/} Under this rule, deaths resulting from an accident are counted only if they occur within 30 days of the accident. Traffic fatalities are listed by the time and place of the fatal accident. Similar statistics published by the National Center for Health Statistics (NCHS) are listed by the time of death and place of residence of the deceased, using a 12-month counting rule. If a New York resident died on January 10, 1982, as a result of a December 27, 1981, accident in Vermont, the death would be reported as a

^{1/} Federal Highway Administration/National Highway Traffic Safety Administration; "Highway Fatality Counting Rule"; Federal Register, Volume 43, No. 191; pp. 45486-45487; October 2, 1978.

1982 New York traffic fatality by the National Center for Health Statistics and as a 1981 Vermont fatality by the Department of Transportation; if the death had not occurred until January 29—more than 30 days after the accident—it would have been included in NCHS reports for 1982 but not in DOT reports for any year.

Another difference in the reporting of fatalities which result from motor vehicle accidents is the treatment of deaths resulting from nontraffic accidents. Examples of motor vehicle nontraffic accidents are those which occur in the driveways of private homes or in other locations outside the rights-of-way or other boundaries of roads which are open for public use. Annual motor vehicle fatality figures for the United States reported by NCHS and the National Safety Council (NSC) generally include about a thousand nontraffic fatalities—deaths which are not included in DOT reports.

The number of nonfatally injured persons is also counted in a variety of ways. In this publication the number of injured persons is the number reported by police. The NSC, for comparability with injuries from industrial and other accidents, reports the number of persons disabled beyond the day of the accident. Another approach is taken in the National Health Survey by the Bureau of Census. In the National Health Survey, the estimated number of injuries is based on responses in household interviews. National Health Survey injury figures tend to be about twice as high as those reported by NSC. The police-reported figures used in this publication are midway between the others.

C. Highway Safety Performance in 1982

A noteworthy feature of the traffic accident statistics for 1982 is the striking decrease in the number of fatalities reported by the States. The decrease—from over 49,000 traffic fatalities in 1981 to fewer than 44,000 in 1982—is the second largest 1-year improvement since World War II. The only larger decrease occurred during the 1974 fuel crisis.

Table 1 presents travel and accident data by highway system for the United States. It is a summary of the detailed data contained in Tables 2 through 6. Estimates have been included where data reported by the States were incomplete. The data permit comparison of numbers and rates (per 100 million vehicle-miles) for accidents and casualties on Federal-aid and other highway systems. Note that fatality rates are substantially lower on the Interstate System than on any other highway system and that about one-fifth of all highway travel in the United States occurs on the Interstate System.

Table 2 summarizes travel and accident data by State. In addition to data which are presented in greater detail in Tables 3 through 6, these tables include pedestrian data. The number of pedestrians injured, fatally or nonfatally, are reported for each State together with pedestrian injury rates.

TABLE 1. U.S. VEHICLE-MILE RATES BY HIGHWAY SYSTEM - 1982¹

HIGHWAY SYSTEM	HIGHWAY MILES 2/	VEHICLE MILES (MILLIONS) 2/	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS 4/		FATALITIES		NONFATALLY INJURED PERSONS 4/	
				NUMBER	RATE 3/	NUMBER	RATE 3/	NUMBER	RATE 3/	NUMBER	RATE 3/
INTERSTATE (ARTERIAL)											
RURAL	32,879	142,186	11,848	1,861	1.31	36,140	25.42	2,175	1.53	58,191	40.93
URBAN	9,981	175,459	90,173	1,704	0.97	81,180	46.27	1,878	1.07	121,450	59.22
TOTAL	42,860	317,645	20,496	3,565	1.12	117,320	36.93	4,053	1.28	179,641	56.55
OTHER FEDERAL-AID PRIMARY (ARTERIAL)											
RURAL	226,111	266,296	3,226	8,632	3.24	193,049	72.49	10,236	3.84	323,062	121.32
URBAN	29,648	204,777	18,923	3,497	1.71	232,351	113.47	3,862	1.89	356,393	174.03
TOTAL	255,759	471,073	5,046	12,129	2.57	425,400	90.30	14,098	2.99	679,445	144.23
FEDERAL-AID URBAN											
ARTERIAL	82,053	276,674	9,238	6,677	2.41	502,987	181.80	7,391	2.67	752,137	271.85
COLLECTOR	51,447	64,214	3,419	1,142	1.78	108,806	169.44	1,217	1.90	153,667	239.30
TOTAL (ALL URBAN)	133,500	340,888	6,995	7,819	2.29	611,793	179.47	8,608	2.53	905,804	265.72
FEDERAL-AID SECONDARY (COLLECTOR)											
TOTAL (ALL RURAL)	401,999	145,172	989	5,566	3.83	143,728	99.01	6,291	4.33	229,993	158.43
NON-FEDERAL-AID ARTERIAL											
RURAL	3,786	3,762	2,722	65	1.73	1,460	38.81	83	2.21	2,886	76.71
URBAN	8,088	24,200	8,197	720	2.98	17,769	73.43	765	3.16	25,360	108.93
TOTAL	11,874	27,962	6,451	785	2.81	19,229	68.77	848	3.03	29,246	104.59
NON-FEDERAL-AID COLLECTOR											
RURAL	336,525	49,858	405	2,075	4.16	79,448	159.35	2,324	4.66	115,397	231.45
URBAN	18,115	20,099	3,039	401	2.00	18,783	93.45	443	2.20	27,220	135.43
TOTAL	354,640	69,957	540	2,476	3.54	98,231	140.42	2,767	3.96	142,617	203.86
NON-FEDERAL-AID LOCAL											
RURAL	2,224,440	83,411	102	3,633	4.36	163,118	195.56	3,997	4.79	234,379	280.99
URBAN	441,624	136,373	846	3,026	2.22	389,776	285.82	3,184	2.33	540,947	396.67
TOTAL	2,666,064	219,784	225	6,659	3.03	552,894	251.56	7,181	3.27	775,326	352.77
ALL FEDERAL-AID											
RURAL	650,989	553,654	2,294	16,059	2.90	372,917	67.36	18,702	3.38	611,246	110.40
URBAN	172,729	721,124	11,438	13,020	1.81	925,324	128.32	14,348	1.99	1,383,637	191.87
TOTAL	833,718	1,274,778	4,189	29,079	2.28	1,298,241	101.84	33,050	2.59	1,994,883	156.49
ALL NON-FEDERAL-AID											
RURAL	2,554,751	137,031	146	5,773	4.21	244,026	178.08	6,404	4.67	352,662	257.36
URBAN	467,827	180,672	1,058	4,147	2.30	426,328	235.97	4,392	2.43	594,527	329.06
TOTAL	3,032,578	317,703	287	9,920	3.12	670,354	211.00	10,796	3.40	947,189	298.14
NON-INTERSTATE											
RURAL	3,192,861	548,499	470	19,971	3.64	580,803	105.89	22,931	4.18	905,717	165.13
URBAN	630,975	726,337	3,153	15,463	2.13	1,270,472	174.91	16,862	2.32	1,855,714	258.63
TOTAL	3,823,836	1,274,836	913	35,434	2.78	1,851,275	145.22	39,793	3.12	2,762,431	216.69
TOTAL											
RURAL	3,225,740	690,685	586	21,832	3.16	616,943	89.32	25,106	3.63	963,908	139.56
URBAN	640,556	901,796	3,857	17,167	1.90	1,351,652	149.88	18,740	2.08	1,978,164	219.36
TOTAL	3,866,296	1,592,481	1,128	38,999	2.45	1,968,595	123.62	43,846	2.75	2,942,072	184.75

1/ U.S. ESTIMATES EXCLUDE THE COMMONWEALTH OF PUERTO RICO AND THE TERRITORIES OF AMERICAN SAMOA, GUAM, AND VIRGIN ISLANDS. ESTIMATES FOR FATAL ACCIDENTS, FATALITIES, NONFATAL INJURY ACCIDENTS AND NONFATALLY INJURED PERSONS ARE BASED ON THE PARTIAL DATA REPORTED BY STATES WHICH ARE DISPLAYED IN THE FOLLOWING TABLES. TOGETHER WITH TOTALS REPORTED BY MOST STATES.

2/ MILEAGE AND TRAVEL DATA ARE FROM THE HIGHWAY PERFORMANCE MONITORING SYSTEM (HPMS) FOR 1982. FEDERAL-AID HIGHWAY MILEAGE IS FROM HPMS UNIVERSE DATA AS OF SEPTEMBER 30, 1983 AND VEHICLE-MILES

OF TRAVEL ARE FROM THE HPMS AREA-WISE SUMMARY TABLES AS OF SEPTEMBER 30, 1983. FEDERAL HIGHWAY ADMINISTRATION ESTIMATES WERE MADE FOR MAJOR HIGHWAY CATEGORIES WHERE COMPLETE FUNCTIONAL OR FEDERAL-AID SYSTEM DATA WERE NOT REPORTED.

3/ RATES ARE PER 100 MILLION VEHICLE MILES.

4/ TOTALS OF NON-FATAL INJURY ACCIDENTS AND NON-FATAL INJURED PERSONS WERE ESTIMATED BY FHWA FOR ALASKA, CONNECTICUT, FLORIDA, LOUISIANA, MARYLAND, MISSISSIPPI, NEW HAMPSHIRE, RHODE ISLAND, VERMONT, AND FOR THE NON-STATE MILEAGE OF MISSOURI.

TABLE 2. STATE ACCIDENT SUMMARY - 1982

STATE	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	FATAL ACCIDENTS		NON-FATAL INJURY ACCIDENTS		FATALITIES		NON-FATAL INJURED PERSONS		FATALITY INJURED PEDESTRIANS		NON-FATAL INJURED PEDESTRIANS	
			NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/	NUMBER	RATE 1/
ALABAMA	87,483	28,516	744	2.61	22,585	79.20	839	2.94	32,404	113.63	98	0.34	1,140	4.00
ALASKA	9,885	3,720	94	2.94	4,090	110.48	103	2.78	6,048	163.37	10	0.27	230	6.21
ARIZONA	76,290	19,729	636	3.22	28,966	146.82	724	3.67	45,778	232.03	138	0.70	1,137	5.76
ARKANSAS	76,649	16,630	476	2.86	16,006	96.25	548	3.30	25,003	150.35	71	0.43	490	2.71
CALIFORNIA	173,888	169,999	4,122	2.42	184,972	108.81	4,618	2.72	274,073	161.22	744	0.44	13,134	7.73
COLORADO	75,433	23,786	597	2.51	26,493	111.38	667	2.80	38,928	163.66	81	0.34	1,090	4.58
CONNECTICUT	19,479	20,138	464	2.30	3/	4/	2/	2.56	3/	4/	3/	4/	274	5.97
DELAWARE	5,269	4,591	115	2.50	4,742	103.29	122	2.66	7,189	156.59	20	0.44		
DIST. OF COL.	1,102	3,380	35	1.04	9,127	270.03	35	1.07	13,519	399.97	11	0.33	1,108	32.78
FLORIDA	93,795	79,298	2/	2.87	3/	4/	2/	3.16	60,504	124.16	3/	4/	3/	4/
GEORGIA	104,253	48,731	1,097	2.25	40,645	83.41	1,229	2.52	12,070	199.57	168	0.34	666	11.01
HAWAII	4,172	6,048	144	2.38	8,512	140.74	159	2.63			35	0.58		
IDAHO	68,395	7,857	212	2.70	7,107	90.45	255	3.25	11,006	140.08	22	0.28	240	3.05
ILLINOIS	134,205	64,835	1,476	2.24	104,589	159.02	1,632	2.51	156,263	237.36	330	0.50	9,437	14.33
INDIANA	91,685	39,203	840	2.14	41,994	107.12	935	2.44	61,285	156.33	109	0.28	1,730	4.41
IOWA	112,188	19,341	431	2.23	17,933	92.72	480	2.48	23,905	133.94	39	0.20	756	3.91
KANSAS	132,207	17,658	436	2.47	19,842	112.37	498	2.82	29,899	169.32	49	0.28	601	3.40
KENTUCKY	58,574	25,957	726	2.83	26,948	105.15	822	3.21	40,542	158.20	101	0.39	1,438	5.61
LOUISIANA	56,932	26,962	2/	3.58	3/	4/	2/	4.06			3/	4/	2/	4/
MAINE	21,553	7,649	151	1.97	9,686	126.63	168	2.20	14,053	183.72	24	0.31	459	6.00
MARYLAND	27,133	28,920	575	1.99	3/	4/	2/	2.21	3/	4/	3/	4/	3/	4/
MASSACHUSETTS	22,600	26,266	612	1.67	34,911	94.12	655	1.79	46,718	127.41	132	0.36	2,750	7.50
MICHIGAN	117,820	36,586	1,258	2.06	87,384	142.78	1,392	2.27	130,061	212.52	215	0.35	4,296	7.02
MINNESOTA	131,214	29,176	508	1.74	24,559	84.18	571	1.56	35,850	122.87	72	0.25	1,257	4.31
MISSISSIPPI	70,789	17,146	617	3.60	3/	4/	2/	4.26	3/	4/	3/	4/	3/	4/
MISSOURI	118,600	36,088	784	2.24	5,127	91.97	893	2.55	9,316	139.69	106	0.30	3/	4/
MONTANA	71,432	6,658	285	3.52	13,279	116.13	261	2.81	19,840	173.50	19	0.25	204	3.06
NEBRASKA	91,501	11,435	226	1.98				2.28			29	0.25	661	5.78
NEVADA	43,850	6,413	248	3.87	7,540	117.57	280	4.37	11,387	177.56	44	0.69	480	7.48
NEW HAMPSHIRE	18,650	6,913	154	2.21	3/	4/	2/	2.48	3/	4/	3/	4/	3/	4/
NEW JERSEY	33,592	51,862	980	1.91	81,921	158.14	1,082	2.10	121,513	234.57	286	0.55	6,931	13.38
NEW MEXICO	53,752	11,850	489	4.13	14,864	125.43	577	4.87	23,253	196.23	90	0.76	592	5.00
NEW YORK	109,825	80,484	1,956	2.43	170,688	212.08	2,153	2.68	252,959	314.20	609	0.76	20,636	25.64
NORTH CAROLINA	92,821	43,290	1,129	2.77	53,991	123.58	1,306	3.03	83,863	194.58	267	0.62	3,049	7.07
NORTH DAKOTA	86,011	5,232	1,456	2.41	3,968	13.58	1,618	2.82	5,800	170.23	267	0.17	172	3.27
OHIO	111,150	71,751	1,456	2.03	104,719	145.55	1,618	2.26	164,708	229.55	243	0.34	4,617	6.43
OKLAHOMA	109,875	30,011	916	3.05	24,049	80.13	1,070	3.57	35,743	119.10	119	0.40	805	2.68
OREGON	133,734	19,384	464	2.25	21,999	109.58	518	2.27	34,620	178.50	67	0.35	795	4.10
PENNSYLVANIA	115,564	71,313	1,603	2.25	83,679	117.34	1,810	2.57	124,972	175.24	287	0.40	6,797	9.53
RHODE ISLAND	6,275	5,906	59	1.68	3/	4/	108	1.83	3/	4/	23	0.39	3/	4/
SOUTH CAROLINA	53,015	24,222	667	2.75	15,686	64.76	730	3.01	23,019	95.03	132	0.55	970	4.00
SOUTH DAKOTA	93,249	6,361	629	2.73	4,132	55.90	1,048	2.33	6,776	97.02	15	0.25	146	2.30
TENNESSEE	83,757	34,793	944	2.93	34,334	98.11	1,055	3.03	49,256	141.57	197	0.51	1,495	4.30
TEXAS	272,427	129,218	3,659	2.95	135,859	108.50	4,213	3.36	204,666	163.45	732	0.58	6,367	5.08
UTAH	44,147	10,935	263	2.41	11,524	105.48	296	2.71	17,691	161.93	44	0.40	1,360	12.45
VERMONT	13,542	3,953	92	2.30	3/	4/	107	2.68	3/	4/	3/	4/	3/	4/
VIRGINIA	64,505	41,430	781	1.89	40,388	97.48	879	2.12	59,288	143.10	124	0.30	1,690	4.08
WASHINGTON	83,324	31,258	671	2.15	48,900	124.74	748	2.39	51,640	165.65	98	0.31	1,143	3.66
WEST VIRGINIA	34,568	10,932	407	3.72	16,187	148.07	465	4.25	25,854	236.50	46	0.42	675	6.17
WISCONSIN	108,059	32,794	669	2.04	36,422	111.06	770	2.35	52,830	161.10	94	0.29	1,823	5.59
WYOMING	36,945	5,281	173	3.28	3,812	72.18	201	3.61	5,836	110.51	24	0.45	169	3.20
SUM 5/	3,866,296	1,592,481	38,999	2.45	1,643,109	120.11	43,846	2.75	2,451,526	179.20	6,086	0.43	103,780	7.87
U. S. TOTAL 5/	3,866,296	1,592,481	38,999	2.45	1,968,595	123.62	43,846	2.75	2,942,072	184.75	6,879	0.43	125,272	7.87

1/ PER 100 MILLION VEHICLE MILES.

2/ STATE TOTAL NOT SUBMITTED THROUGH HPMS: FARS DATA USED.

3/ RATE NOT REPORTED SEPARATE.

4/ RATE CAN NOT BE COMPUTED.

5/ U.S. ESTIMATES ARE SHOWN ON PAGE 1. SUM REFLECTS TOTAL OF DATA.

SHOWN IN THIS TABLE. SEE FOOTNOTE 2.

3/ ESTIMATES OF FATAL ACCIDENTS AND FATALITIES ARE BASED ON FARS DATA.

4/ ESTIMATES OF TRAVEL, INJURY, ACCIDENTS, INJURIES, AND FATALITY AND NONFATALITY.

5/ INJURED PEDESTRIANS WERE MADE BY FHWA.

D. National Trends

In the early 70's, "3 by 80" was a popular safety slogan. The goal to which the slogan referred was the achievement, by 1980, of a national rate below 3 fatalities per 100 million vehicle-miles. While the goal was not reached in 1980, the 1982 fatality rate is well below 3. Preliminary data for the first 8 months of 1983 indicate the 1983 rate will be even lower.

The 1982 drop in the mileage fatality rate was a continuation of a long-term downward trend. From a rate of more than 18 fatalities per 100 million vehicle miles in the mid-20's, as shown in Figure 1, the average rate has gone downwards more than 3 percent per year to a rate well below three fatalities per 100 million vehicle-miles in 1982.

Figures 2 and 3 show national traffic fatality and injury rate trends from 1967 through 1982 for Interstate and other highway systems. Fatality rate trends were gradually downward for all systems during this period. Although these trends were interrupted by relatively stable periods following a sharp drop in 1974, downward movement has resumed. Trends for reported injury rates have also been generally downward during the 1967-1982 period.

Figures 4 and 5 show national trends from 1978 through 1982 by highway system. In the mid-70's, non-Interstate Federal-aid highway systems were changed by adopting functional classifications as the basis for assignment of highways to each system. As a result of these changes, trend data are only available for a short period for most systems. The time period covered in Figures 4 and 5 corresponds largely with the period of relative stability which is apparent in Figures 2 and 3.

The data on which Figure 3 through 6 are based were published in the annual Federal Highway Administration report, Fatal and Injury Accident Rates on Federal-Aid and Other Highway Systems. # *** Figure 1 U.S. Motor Vehicle Fatality Rates: 1925-1982 *** Figure 2 U.S. Fatality Rates for Interstate and Other

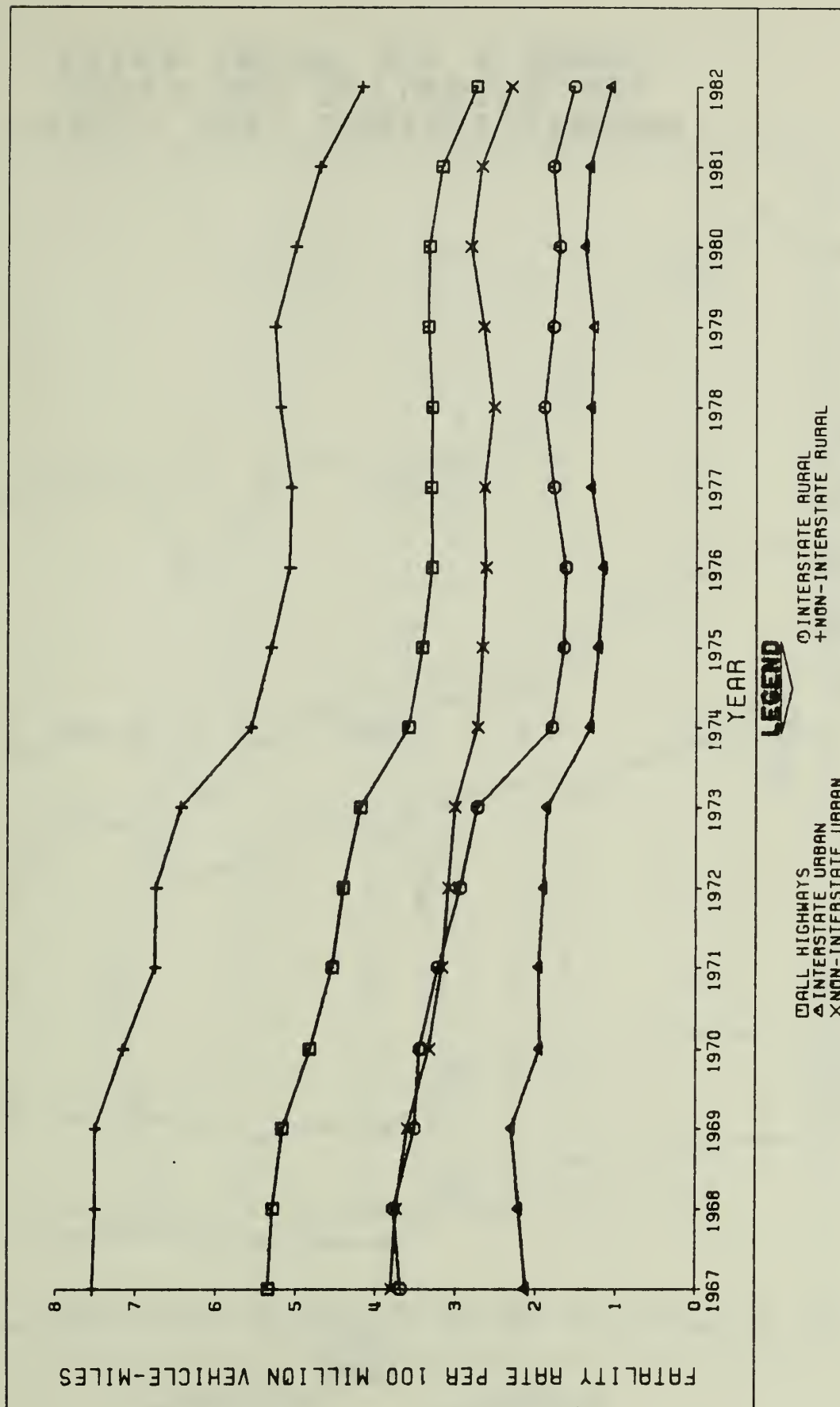
Systems: 1967-1982 *** Figure 3 U.S. Injury Rates for Interstate and Other

Systems: 1967-1982 *** Figure 4 U.S. Fatality Rates by Highway System: 1978-82 *** Figure 5 U.S. Injury Rates by Highway System: 1978-82

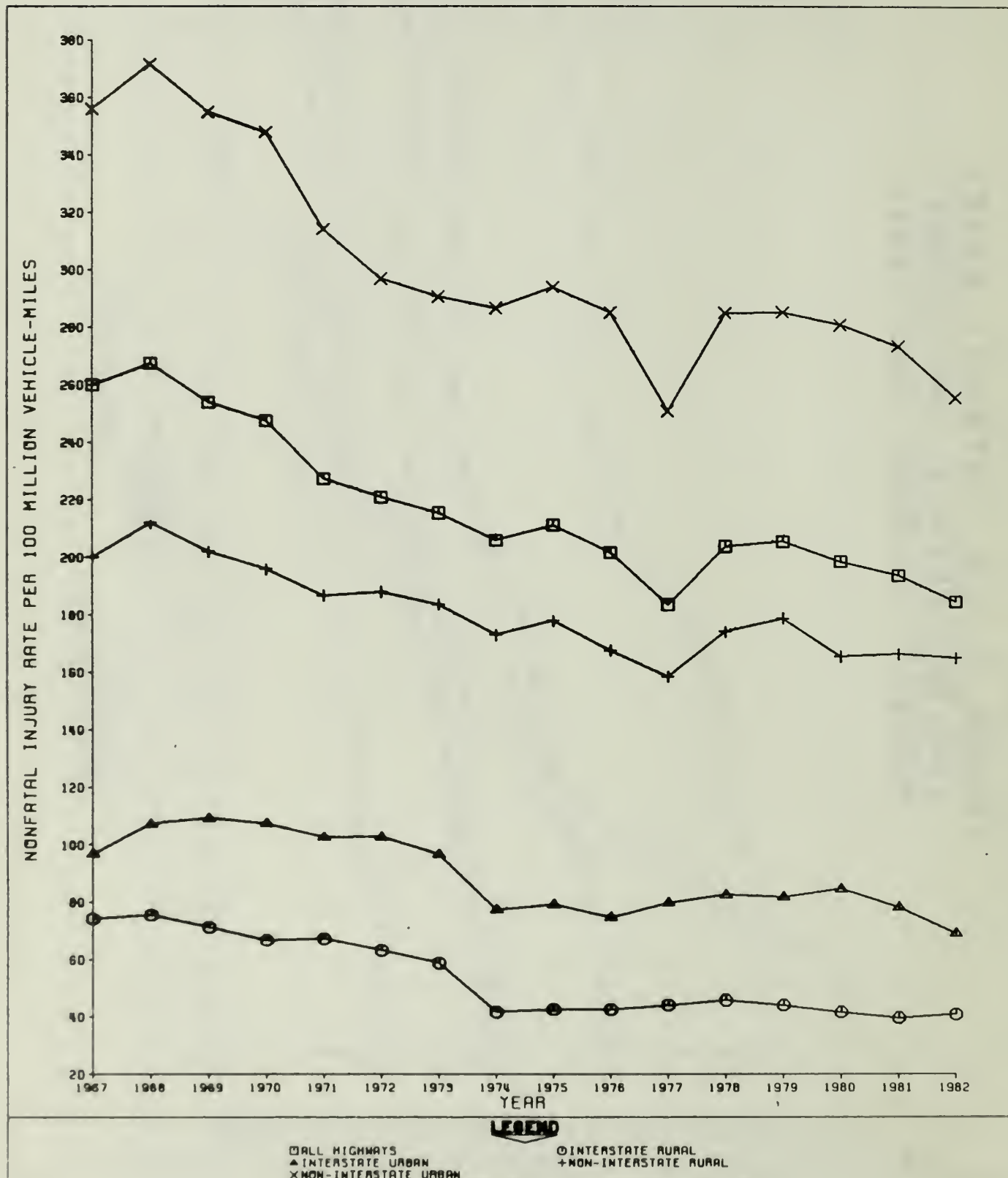
**FIGURE 1. U.S. MOTOR VEHICLE TRAFFIC FATALITY RATES
(1925 - 1982)**



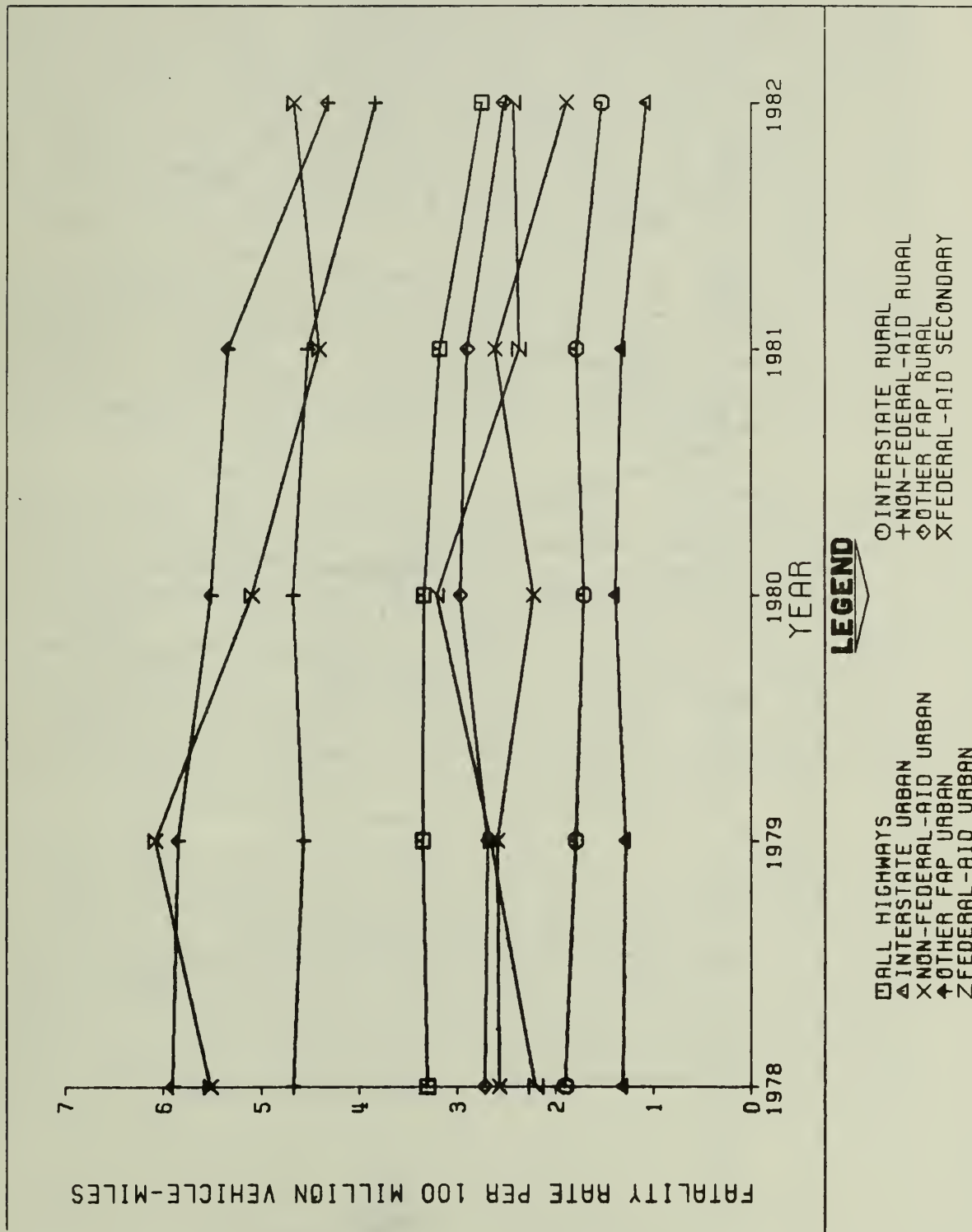
**FIGURE 2. U.S. FATALITY RATES
FOR INTERSTATE AND OTHER
HIGHWAY SYSTEMS (1967-1982)**



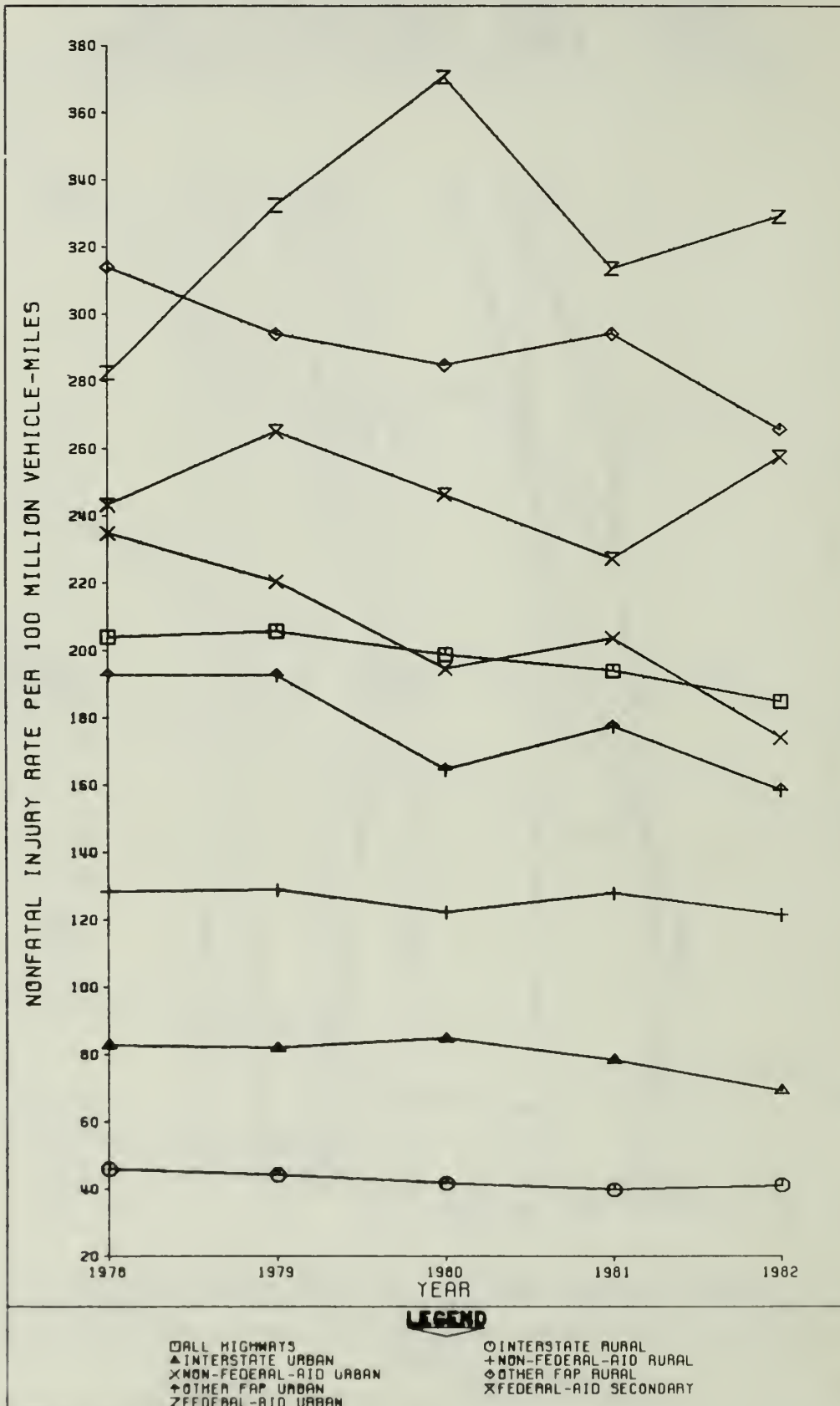
**FIGURE 3. U.S. INJURY RATES
FOR INTERSTATE AND OTHER
HIGHWAY SYSTEMS (1967 - 1982)**



**FIGURE 4. U.S. FATALITY RATES
BY HIGHWAY SYSTEM (1978 - 1982)**



**FIGURE 5. U.S. NONFATAL INJURY RATES
BY HIGHWAY SYSTEM (1978 - 1982)**



E. Comparison of State Statistics

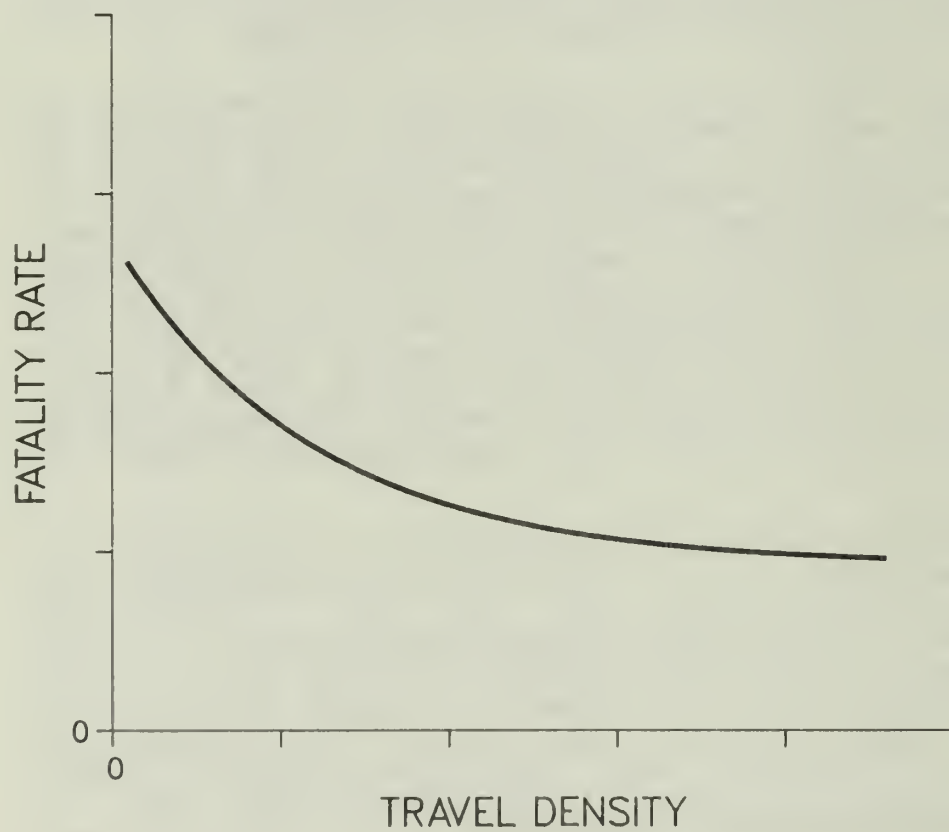
This report was prepared to help meet the need for statistical data to be used in comparing and evaluating the highway safety performance of the States. Those who use the report should be aware of some of the strengths and weaknesses of the data. For the most part, the data have been submitted by State highway departments through the FHWA's Highway Performance Monitoring System. Accident data originate in police accident reporting systems while the collection of travel and highway inventory data is a function of the highway departments themselves. The quality of the reported data is generally high but varies somewhat within the States. As is evident from the tables which follow in Section III, not every State was able to summarize its accident data in time for inclusion in this report.

Because all States report accident and related data to FHWA through a single system with carefully written guidelines, reported data are generally consistent. Differences due to variations in data collection procedures are usually marginal, but occasionally may be large enough to obscure or exaggerate real differences among the States. Evaluation of the highway safety performance of each State should include consideration of its record over a period of time as well as comparisons with other States.

One useful device for comparing fatality rates is the rate-density curve. Other things being equal, fatality rates in terms of fatalities per 100 million vehicle miles tend to be highest where the travel density—the ratio of vehicle-miles to highway miles—is low. The general shape of the rate-density curve—concave upward and sloping downward to the right—is shown in Figure 6. Rate-density curves were used in the 1976 "Highway Safety Needs Study," a DOT report to Congress, to illustrate the fatality rate reduction resulting from the adoption of safer design standards for Interstate highways. Just as fatality rates are normally higher on lightly traveled segments of Interstate highway than on segments where traffic is heavier, large sparsely populated States will normally have higher fatality rates than States with relatively high concentrations of people and traffic.

When basic rate-density relationships are disregarded, evaluation of State highway safety performance is most often based on comparison of State fatality rates with national fatality rates. This tends to focus undue attention on sparsely populated States and encourages complacency in States which have high population and travel densities. A low-density State might have highly effective speed limit enforcement and highway safety improvement programs, for example, but still have fatality rates substantially above those of a high-density State with ineffective safety programs. Rate-density relationships are used as a basis for fatality rate comparisons among States, by system, in Section V and within States, by year, in Section VI.

Figure 6. RELATIONSHIP BETWEEN
FATALITY RATES AND TRAVEL DENSITY



SECTION II—VEHICLE MILEAGE RATES

The most commonly used measures of highway safety are fatality rates based on vehicle mileage. Such rates have been published and widely publicized for about 50 years by the National Safety Council. While other measures are sometimes more appropriate for comparisons and analysis, vehicle mileage rates serve as useful indices. In the tables which follow, rates per 100 million vehicle miles are listed by State and highway system for fatal accidents (Table 3), nonfatal injury accidents (Table 4), fatalities (Table 5), and nonfatally injured persons (Table 6).

The rates shown in these tables are uniformly carried out to two decimal places. This apparent precision surpasses the degree of accuracy of much of the data on which the computed rates are based. Collection and classification of information about miles of highway, vehicle miles of travel, and motor vehicle traffic accidents is a highly complex undertaking. Because of this complexity and the necessity of subjective judgments at many points in the process, the computed rates should be regarded as approximations, not as precise measurements.

TABLE 3-A. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		
				NUMBER					RATE 1/	NUMBER	RATE 1/
COMPLETE DATA					COMPLETE DATA						
ALABAMA	642	2,724	11,625	34	1.25	182	1,980	29,806	16	0.81	
ALASKA	1,072	722	1,845	33	4.57	20	169	23,151	1	0.59	
ARIZONA	1,028	3,143	8,376	78	2.48	115	1,230	29,303	16	1.30	
ARKANSAS	425	2,132	13,744	19	0.89	115	1,079	25,706	14	0.73	
CALIFORNIA	1,459	9,046	16,987	191	2.11	804	28,650	97,628	208	0.73	
COLORADO	806	2,625	8,923	67	2.55	110	2,287	56,961	42	1.84	
DELAWARE	7	164	64,188	1	0.61	34	516	41,579	8	1.55	
DIST. OF COL.	-	-	-	-	-	12	360	82,192	4	1.11	
GEORGIA	931	6,813	20,049	64	0.94	232	5,402	63,793	60	1.11	
HAWAII	5	52	28,493	2	3.85	31	768	67,874	7	0.91	
IDAHO	551	1,139	5,663	25	2.19	52	270	14,226	5	1.85	
ILLINOIS	1,265	5,054	10,946	41	0.81	446	8,800	54,057	76	0.86	
INDIANA	855	5,209	16,691	41	0.79	259	3,684	38,970	24	0.65	
IOWA	612	2,202	9,858	15	0.68	124	832	18,383	9	1.08	
KANSAS	654	1,701	7,126	15	0.88	154	1,252	22,274	22	1.76	
KENTUCKY	596	3,655	16,802	29	0.79	141	2,150	41,776	25	1.16	
MAINE	282	938	9,113	2	0.21	31	6219	19,355	2	0.91	
MASSACHUSETTS	172	1,370	21,822	10	0.73	380	6,864	49,488	30	0.44	
MICHIGAN	716	3,619	13,848	40	1.11	415	7,317	48,305	37	0.51	
MINNESOTA	696	2,062	8,117	11	0.53	177	2,823	43,696	18	0.64	
MISSOURI	833	3,733	12,278	28	0.75	286	5,114	48,989	62	1.21	
MONTANA	1,085	1,313	3,315	31	2.36	43	122	7,773	0	0.00	
NEBRASKA	446	1,418	8,711	9	0.63	35	467	36,556	6	1.28	
NEVADA	497	1,074	5,920	32	2.98	38	427	30,786	6	1.41	
NEW JERSEY	108	1,069	27,118	7	0.65	230	5,635	67,123	49	0.87	
NEW MEXICO	916	2,130	6,371	80	3.76	83	651	21,489	6	0.92	
NEW YORK	874	4,044	12,677	36	0.89	554	8,487	41,971	91	1.07	
NORTH CAROLINA	583	3,570	16,777	35	0.98	192	2,032	28,995	20	0.98	
NORTH DAKOTA	536	715	3,655	6	0.84	35	120	9,393	2	1.67	
OHIO	882	6,959	21,617	32	0.46	655	12,440	52,034	87	0.70	
OREGON	583	2,494	11,720	28	1.12	124	1,485	32,810	17	1.14	
PENNSYLVANIA	1,174	6,792	15,850	50	0.74	323	4,655	39,484	47	1.01	
RHODE ISLAND	28	119	11,644	2	1.68	44	1,047	65,193	13	1.24	
SOUTH CAROLINA	677	3,158	12,780	26	0.82	79	985	34,160	8	0.81	
SOUTH DAKOTA	616	1,119	4,977	7	0.63	40	149	10,205	0	0.00	
TENNESSEE	833	5,582	18,359	68	1.22	196	3,323	46,450	36	1.08	
TEXAS	2,236	9,178	11,246	215	2.34	841	17,323	56,433	313	1.81	
UTAH	663	1,442	5,959	44	3.05	124	1,695	37,450	12	0.71	
VIRGINIA	805	4,688	15,955	38	0.81	213	4,042	51,990	23	0.57	
WASHINGTON	471	2,724	15,845	18	0.66	234	5,133	60,098	22	0.43	
WEST VIRGINIA	359	1,276	9,738	14	1.10	70	1,630	24,558	9	1.43	
WISCONSIN	466	2,670	16,873	20	0.70	111	1,763	43,315	9	0.51	
WYOMING	849	1,376	4,440	29	2.11	49	135	7,548	1	0.74	
SUBTOTAL	29,294	123,213	11,524	1,573	1.28	8,433	154,512	50,198	1,463	0.95	
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											

1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 3-B. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	5,908	5,927	2,749	81	1.37	ALABAMA	699	2,652	10,394	55	2.07
ALASKA	1,532	573	1,025	17	2.97	ALASKA	16	84	14,384	1	1.19
ARIZONA	3,316	3,172	2,621	147	4.63	ARIZONA	166	1,143	18,864	34	2.97
CALIFORNIA	9,819	17,644	4,923	656	3.72	CALIFORNIA	1,381	28,027	55,602	321	1.15
COLORADO	3,993	4,037	2,770	146	3.62	COLORADO	322	4,837	41,155	55	1.14
DELAWARE	349	1,288	10,111	33	2.56	DELAWARE	75	573	20,932	17	2.97
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	-	-	-	-	-
HAWAII	402	913	6,222	43	4.71	HAWAII	158	1,373	23,808	17	1.24
IDAHO	2,575	1,580	1,681	76	4.81	IDAHO	110	1,170	29,141	28	2.39
ILLINOIS	7,501	8,245	2,855	261	3.17	ILLINOIS	39	1,144	10,115	1	0.59
INDIANA	4,190	7,018	4,589	184	2.62	INDIANA	1,822	10,010	15,052	253	2.53
IOWA	8,193	5,785	1,934	138	2.39	IOWA	795	3,533	13,554	55	1.40
KANSAS	7,767	4,729	1,668	158	3.34	KANSAS	677	2,071	8,581	51	2.46
KENTUCKY	3,294	4,565	3,797	176	3.86	KENTUCKY	338	1,320	10,700	23	1.74
MAINE	1,834	2,000	2,988	46	2.30	MAINE	429	2,424	15,480	34	1.40
MASSACHUSETTS	1,015	2,597	7,010	37	1.42	MAINE	159	587	10,115	9	1.53
MICHIGAN	4,684	8,059	4,714	311	3.86	MASSACHUSETTS	1,214	7,936	17,910	92	1.16
MINNESOTA	8,842	6,947	2,153	169	2.43	MICHIGAN	1,246	9,924	21,821	37	0.37
MISSOURI	6,372	6,670	2,868	195	2.92	MINNESOTA	472	2,371	13,762	38	1.60
MONTANA	5,390	2,126	1,081	100	4.70	MISSOURI	565	3,460	16,778	58	1.68
NEBRASKA	6,999	3,580	1,401	85	2.37	MONTANA	106	418	10,804	5	1.20
NEVADA	1,787	946	1,450	55	5.81	NEBRASKA	262	1,098	11,482	22	2.00
NEW JERSEY	3,113	3,113	10,674	79	2.54	NEVADA	58	338	15,966	3	0.89
NEW MEXICO	3,394	2,748	2,218	142	5.17	NEW JERSEY	641	8,321	35,565	155	1.86
NEW YORK	6,498	8,946	3,772	264	2.95	NEW MEXICO	174	666	10,487	33	4.95
NORTH CAROLINA	3,724	6,998	5,148	186	2.66	NEW YORK	1,864	17,381	25,547	342	1.97
NORTH DAKOTA	5,464	1,711	858	48	2.81	NORTH CAROLINA	600	3,767	17,201	65	1.73
OHIO	4,796	8,890	5,078	249	2.80	NORTH DAKOTA	128	400	8,562	5	1.25
OREGON	4,600	4,445	2,647	158	3.55	OHIO	1,530	5,994	10,733	144	2.40
PENNSYLVANIA	8,097	14,631	4,951	451	3.08	OREGON	358	2,203	16,859	37	1.68
RHODE ISLAND	214	532	6,811	17	3.20	PENNSYLVANIA	1,833	11,819	17,665	222	1.88
SOUTH CAROLINA	5,074	6,516	3,518	220	3.38	RHODE ISLAND	163	710	11,934	16	2.25
SOUTH DAKOTA	5,738	2,356	1,125	54	2.29	SOUTH CAROLINA	412	2,703	17,974	46	1.70
TENNESSEE	5,082	6,484	3,496	263	4.06	SOUTH DAKOTA	113	421	10,207	6	1.43
TEXAS	15,067	19,148	3,482	793	4.14	TENNESSEE	803	4,029	13,746	67	1.66
UTAH	2,473	1,535	1,701	63	4.10	TEXAS	1,570	12,682	22,131	328	2.59
VIRGINIA	4,953	8,280	4,580	214	2.58	UTAH	103	454	12,076	5	1.10
WASHINGTON	4,447	5,284	3,255	61	1.15	VIRGINIA	443	3,292	20,359	41	1.25
WEST VIRGINIA	2,253	2,573	3,129	128	4.97	WASHINGTON	530	3,702	19,137	26	0.70
WISCONSIN	7,978	8,982	3,085	195	2.17	WEST VIRGINIA	180	755	11,492	27	3.58
WYOMING	2,888	1,448	1,374	58	4.01	WISCONSIN	967	4,589	13,002	56	1.22
SUBTOTAL	189,701	213,021	3,077	6,757	3.17	WYOMING	92	365	10,870	9	2.47
INCOMPLETE DATA						SUBTOTAL	23,613	170,146	19,741	2,839	1.67
ARKANSAS						INCOMPLETE DATA					
CONNECTICUT						ARKANSAS					
FLORIDA						CONNECTICUT					
GEORGIA						FLORIDA					
LOUISIANA						GEORGIA					
MARYLAND						LOUISIANA					
MISSISSIPPI						MARYLAND					
NEW HAMPSHIRE						MISSISSIPPI					
OKLAHOMA						NEW HAMPSHIRE					
VERMONT						OKLAHOMA					
VERMONT						VERMONT					
1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 3-C. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID URBAN HIGHWAYS

STATE	ARTERIAL				STATE	COLLECTOR					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	OAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	OAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA					COMPLETE DATA						
ALASKA	81	447	15,119	9	2.01	29	77	7,274	1	1.30	
ARIZONA	1,162	4,299	10,136	138	3.21	529	911	4,718	10	1.10	
CALIFORNIA	11,425	53,716	12,881	1,495	2.78	4,271	5,371	3,445	132	2.46	
COLORADO	1,330	2,610	5,376	95	3.64	952	823	2,368	17	2.07	
DELAWARE	154	591	10,514	15	2.54	117	215	5,035	4	1.86	
DIST. OF COL.	107	641	16,413	12	1.87	136	321	6,467	0	0.00	
HAWAII	126	952	20,700	23	2.42	56	269	13,160	5	1.86	
IDAHO	268	959	9,804	15	1.56	304	494	4,452	3	0.61	
ILLINOIS	3,457	13,047	10,340	326	2.50	2,950	5,620	5,219	74	1.32	
INDIANA	2,952	6,625	6,149	161	2.43	1,802	1,511	2,297	32	2.12	
IOWA	1,313	2,264	4,724	31	1.37	905	624	1,889	7	1.12	
KANSAS	1,052	2,467	6,425	37	1.50	477	273	1,568	2	0.73	
KENTUCKY	1,032	3,362	8,925	70	2.08	727	1,087	4,096	26	2.39	
MAINE	342	787	6,305	8	1.02	308	233	2,073	2	0.86	
MASSACHUSETTS	3,322	9,948	8,204	151	1.52	2,483	2,449	2,702	38	1.55	
MICHIGAN	2,908	12,735	11,998	83	0.65	1,920	3,523	5,027	7	0.20	
MINNESOTA	1,488	4,700	8,654	51	1.09	1,554	439	2,171	9	2.05	
MISSOURI	2,428	6,197	8,993	105	1.69	1,249	1,245	2,731	9	0.72	
MONTANA	238	473	5,445	10	2.11	32	50	1,489	1	2.00	
NEBRASKA	612	1,530	6,849	19	1.24	347	348	2,748	2	0.57	
NEVADA	442	1,971	12,217	80	4.06	63	32	1,392	0	0.00	
NEW JERSEY	3,547	12,534	9,681	344	2.74	1,812	3,015	4,559	70	2.32	
NEW MEXICO	477	1,917	11,011	50	2.61	133	208	4,285	7	3.37	
NEW YORK	5,101	13,885	7,458	574	4.13	2,840	3,480	3,357	99	2.84	
NORTH CAROLINA	1,961	6,445	9,004	100	1.55	248	134	1,480	11	8.21	
NORTH DAKOTA	197	337	4,687	7	2.08	197	157	2,183	3	1.91	
OHIO	3,394	7,000	5,651	245	3.50	3,893	3,904	2,747	142	3.64	
OREGON	992	2,633	7,272	71	2.70	872	860	2,702	12	1.40	
PENNSYLVANIA	3,642	11,307	8,506	222	1.96	3,059	3,769	3,376	26	0.69	
RHODE ISLAND	473	1,731	10,026	22	1.27	372	387	2,850	5	1.29	
SOUTH CAROLINA	611	1,450	6,502	27	1.86	194	230	3,248	5	2.17	
SOUTH DAKOTA	259	330	3,491	2	0.61	82	43	1,437	0	0.00	
TENNESSEE	1,234	4,096	9,838	117	2.86	1,091	1,262	3,169	28	2.22	
TEXAS	5,492	19,721	9,094	325	1.65	1,433	1,335	2,552	5	0.37	
UTAH	1,898	2,279	12,639	46	2.02	284	597	5,759	14	2.35	
VIRGINIA	1,898	7,603	10,975	145	1.91	977	1,253	3,514	19	1.52	
WASHINGTON	2,185	5,589	7,008	264	4.72	1,654	1,488	2,465	18	1.21	
WEST VIRGINIA	385	1,035	7,365	19	1.84	399	632	3,227	2	0.43	
WISCONSIN	1,948	4,392	6,177	25	0.57	815	632	2,125	5	0.79	
WYOMING	227	368	4,441	6	1.63	200	178	2,438	5	2.81	
SUBTOTAL	70,756	234,973	9,098	5,545	2.36	40,826	49,317	3,310	857	1.74	
INCOMPLETE DATA											
ALABAMA											
ARKANSAS											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											
λ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 3-D. FATAL ACCIDENTS
BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID SECONDARY HIGHWAYS

STATE	COLLECTOR, RURAL				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS	
				NUMBER	RATE 1/
COMPLETE DATA					
ALABAMA	11,074	3,516	870	88	2.50
ALASKA	2,324	720	849	16	2.22
ARIZONA	3,136	1,555	1,359	77	4.95
CALIFORNIA	11,103	7,715	1,904	406	5.26
COLORADO	3,441	1,140	908	60	5.26
DELAWARE	630	489	2,127	19	3.89
DIST. OF COL.	-	-	-	-	-
HAWAII	434	301	1,900	14	4.65
IDAHO	4,250	1,738	1,120	35	2.01
ILLINOIS	12,856	3,287	700	140	4.26
INDIANA	9,093	3,536	1,065	159	4.50
IOWA	13,341	2,299	472	83	3.61
KANSAS	22,530	2,164	263	75	3.47
KENTUCKY	7,295	3,857	1,449	196	5.08
MAINE	2,742	1,290	1,289	29	2.25
MASSACHUSETTS	2,006	1,583	2,162	40	2.53
MICHIGAN	19,019	8,637	1,244	29	0.34
MINNESOTA	16,281	3,037	511	91	3.00
MISSOURI	18,090	4,660	706	171	3.67
MONTANA	4,717	423	246	30	7.09
NEBRASKA	11,411	1,046	251	26	2.49
NEVADA	2,332	662	778	42	6.34
NEW JERSEY	1,731	2,173	3,439	81	3.73
NEW MEXICO	3,945	1,085	754	80	7.37
NEW YORK	6,381	3,836	1,647	178	4.64
NORTH CAROLINA	10,437	8,393	2,203	308	3.67
NORTH DAKOTA	10,455	675	177	29	4.30
OHIO	11,826	7,122	1,650	225	3.16
OREGON	7,709	1,622	576	76	4.69
PENNSYLVANIA	8,222	5,219	1,739	195	3.74
RHODE ISLAND	166	163	2,690	4	2.45
SOUTH CAROLINA	8,863	4,081	1,262	148	3.63
SOUTH DAKOTA	10,867	894	225	25	2.80
TENNESSEE	9,820	3,656	1,020	174	4.76
TEXAS	32,705	12,048	1,009	574	4.76
UTAH	2,556	635	681	22	3.46
VIRGINIA	10,360	4,759	1,259	149	3.13
WASHINGTON	7,081	2,501	968	19	0.76
WEST VIRGINIA	6,327	2,740	1,186	149	5.44
WISCONSIN	11,737	3,762	878	192	5.10
WYOMING	2,281	400	480	25	6.25
SUBTOTAL	341,574	119,419	958	4,479	3.75
INCOMPLETE DATA					
ARKANSAS					
CONNECTICUT					
FLORIDA					
GEORGIA					
LOUISIANA					
MARYLAND					
MISSISSIPPI					
NEW HAMPSHIRE					
OKLAHOMA					
VERMONT					
1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.					

TABLE 3-E. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		
				NUMBER					RATE 1/	NUMBER	RATE 1/
COMPLETE DATA					COMPLETE DATA						
ALABAMA	-	-	-	-	ALABAMA	-	-	-	-	-	-
ALASKA	-	-	-	-	ALASKA	-	-	-	-	-	-
ARIZONA	15	17	3,105	-	ARIZONA	22	85	10,585	-	1	1.18
CALIFORNIA	31	73	6,452	1	CALIFORNIA	1,279	5,380	11,524	62	0	1.15
COLORADO	-	-	-	2	COLORADO	4	5	3,425	0	0	0.00
DELAWARE	-	-	-	-	DELAWARE	3	4	3,653	0	0	0.00
DIST. OF COL.	1	1	2,740	0	DIST. OF COL.	11	94	23,412	1	1	1.06
GEORGIA	-	-	-	-	GEORGIA	-	-	-	-	-	-
HAWAII	-	-	-	-	HAWAII	13	56	11,802	1	1	1.79
IDAHO	10	44	12,055	0	IDAHO	28	5	489	0	0	0.00
ILLINOIS	-	-	-	-	ILLINOIS	79	118	4,092	4	3	3.39
INDIANA	-	-	-	-	INDIANA	12	177	40,411	4	4	2.26
IOWA	35	71	5,558	2	IOWA	15	27	4,932	0	0	0.00
KANSAS	-	-	-	-	KANSAS	210	610	7,958	16	16	2.62
KENTUCKY	48	61	3,482	2	KENTUCKY	1	1	2,740	0	0	0.00
LOUISIANA	-	-	-	-	LOUISIANA	15	43	7,854	4	4	9.30
MAINE	-	-	-	-	MAINE	18	54	8,219	0	0	0.00
MASSACHUSETTS	41	72	4,811	1	MASSACHUSETTS	163	330	5,547	3	3	0.91
MICHIGAN	-	-	-	-	MICHIGAN	66	37	1,536	4	4	10.81
MINNESOTA	-	-	-	-	MINNESOTA	203	369	4,980	27	27	7.32
MISSOURI	-	-	-	-	MISSOURI	35	48	3,757	0	0	0.00
MONTANA	9	8	2,435	0	MONTANA	-	-	-	-	-	-
NEBRASKA	93	17	501	1	NEBRASKA	11	28	6,974	0	0	0.00
NEVADA	-	-	-	-	NEVADA	282	3,327	32,323	43	43	1.29
NEW JERSEY	1	4	10,959	0	NEW JERSEY	100	126	3,452	1	1	0.79
NEW MEXICO	139	1,208	23,810	16	NEW MEXICO	124	1,423	31,441	4	4	0.28
NEW YORK	-	-	-	-	NEW YORK	1,275	1,909	4,102	31	31	1.62
NORTH CAROLINA	-	-	-	-	NORTH CAROLINA	4	5	3,425	0	0	0.00
NORTH DAKOTA	249	134	1,474	1	NORTH DAKOTA	-	-	-	-	-	-
OHIO	-	-	-	-	OHIO	55	112	5,579	1	1	0.89
OREGON	-	-	-	-	OREGON	-	-	-	-	-	-
PENNSYLVANIA	210	126	1,644	8	PENNSYLVANIA	-	-	-	-	-	-
RHODE ISLAND	-	-	-	-	RHODE ISLAND	-	463	4,285	8	8	1.73
SOUTH CAROLINA	-	-	-	-	SOUTH CAROLINA	296	7	2,740	0	0	0.00
SOUTH DAKOTA	-	-	-	-	SOUTH DAKOTA	7	7	-	-	-	-
TENNESSEE	14	6	1,174	1	TENNESSEE	-	-	-	-	-	-
TEXAS	-	-	-	-	TEXAS	1,846	5,361	7,956	387	387	7.22
UTAH	-	-	-	-	UTAH	58	45	2,126	0	0	0.00
VERMONT	1	1	2,740	0	VERMONT	-	-	-	-	-	-
VIRGINIA	-	-	-	-	VIRGINIA	54	275	13,952	3	3	1.09
WASHINGTON	309	219	1,942	2	WASHINGTON	3	18	16,438	0	0	0.00
WEST VIRGINIA	17	2	322	0	WEST VIRGINIA	145	293	5,536	2	2	0.68
WISCONSIN	8	27	9,247	0	WISCONSIN	2	12	16,438	0	0	0.00
WYOMING	-	-	-	-	WYOMING	-	-	-	-	-	-
SUBTOTAL	1,482	2,195	4,058	37	SUBTOTAL	6,439	20,847	8,870	607	607	2.91
INCOMPLETE DATA					INCOMPLETE DATA						
ALABAMA	-	-	-	-	ALABAMA	-	-	-	-	-	-
ARIZONA	-	-	-	-	ARIZONA	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	CALIFORNIA	-	-	-	-	-	-
COLORADO	-	-	-	-	COLORADO	-	-	-	-	-	-
DELAWARE	-	-	-	-	DELAWARE	-	-	-	-	-	-
DIST. OF COL.	-	-	-	-	DIST. OF COL.	-	-	-	-	-	-
GEORGIA	-	-	-	-	GEORGIA	-	-	-	-	-	-
HAWAII	-	-	-	-	HAWAII	-	-	-	-	-	-
IDAHO	-	-	-	-	IDAHO	-	-	-	-	-	-
ILLINOIS	-	-	-	-	ILLINOIS	-	-	-	-	-	-
INDIANA	-	-	-	-	INDIANA	-	-	-	-	-	-
IOWA	-	-	-	-	IOWA	-	-	-	-	-	-
KANSAS	-	-	-	-	KANSAS	-	-	-	-	-	-
KENTUCKY	-	-	-	-	KENTUCKY	-	-	-	-	-	-
LOUISIANA	-	-	-	-	LOUISIANA	-	-	-	-	-	-
MAINE	-	-	-	-	MAINE	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	MASSACHUSETTS	-	-	-	-	-	-
MICHIGAN	-	-	-	-	MICHIGAN	-	-	-	-	-	-
MINNESOTA	-	-	-	-	MINNESOTA	-	-	-	-	-	-
MISSOURI	-	-	-	-	MISSOURI	-	-	-	-	-	-
MONTANA	-	-	-	-	MONTANA	-	-	-	-	-	-
NEBRASKA	-	-	-	-	NEBRASKA	-	-	-	-	-	-
NEVADA	-	-	-	-	NEVADA	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	NEW JERSEY	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	NEW MEXICO	-	-	-	-	-	-
NEW YORK	-	-	-	-	NEW YORK	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	NORTH CAROLINA	-	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	NORTH DAKOTA	-	-	-	-	-	-
OHIO	-	-	-	-	OHIO	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	PENNSYLVANIA	-	-	-	-	-	-
RHODE ISLAND	-	-	-	-	RHODE ISLAND	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	SOUTH CAROLINA	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	SOUTH DAKOTA	-	-	-	-	-	-
TENNESSEE	-	-	-	-	TENNESSEE	-	-	-	-	-	-
TEXAS	-	-	-	-	TEXAS	-	-	-	-	-	-
UTAH	-	-	-	-	UTAH	-	-	-	-	-	-
VERMONT	-	-	-	-	VERMONT	-	-	-	-	-	-
VIRGINIA	-	-	-	-	VIRGINIA	-	-	-	-	-	-
WASHINGTON	-	-	-	-	WASHINGTON	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	WEST VIRGINIA	-	-	-	-	-	-
WISCONSIN	-	-	-	-	WISCONSIN	-	-	-	-	-	-
WYOMING	-	-	-	-	WYOMING	-	-	-	-	-	-
SUBTOTAL	1,482	2,195	4,058	37	SUBTOTAL	6,439	20,847	8,870	607	607	2.91
INCOMPLETE DATA					INCOMPLETE DATA						
ALABAMA	-	-	-	-	ALABAMA	-	-	-	-	-	-
ARIZONA	-	-	-	-	ARIZONA	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	CALIFORNIA	-	-	-	-	-	-
COLORADO	-	-	-	-	COLORADO	-	-	-	-	-	-
DELAWARE	-	-	-	-	DELAWARE	-	-	-	-	-	-
DIST. OF COL.	-	-	-	-	DIST. OF COL.	-	-	-	-	-	-
GEORGIA	-	-	-	-	GEORGIA	-	-	-	-	-	-
HAWAII	-	-	-	-	HAWAII	-	-	-	-	-	-
IDAHO	-	-	-	-	IDAHO	-	-	-	-	-	-
ILLINOIS	-	-	-	-	ILLINOIS	-	-	-	-	-	-
INDIANA	-	-	-	-	INDIANA	-	-	-	-	-	-
IOWA	-	-	-	-	IOWA	-	-	-	-	-	-
KANSAS	-	-	-	-	KANSAS	-	-	-	-	-	-
KENTUCKY	-	-	-	-	KENTUCKY	-	-	-	-	-	-
LOUISIANA	-	-	-	-	LOUISIANA	-	-	-	-	-	-
MAINE	-	-	-	-	MAINE	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	MASSACHUSETTS	-	-	-	-	-	-
MICHIGAN	-	-	-	-	MICHIGAN	-	-	-	-	-	-
MINNESOTA	-	-	-	-	MINNESOTA	-	-	-	-	-	-
MISSOURI	-	-	-	-	MISSOURI	-	-	-	-	-	-
MONTANA	-	-	-	-	MONTANA	-	-	-	-	-	-
NEBRASKA	-	-	-	-	NEBRASKA	-	-	-	-	-	-
NEVADA	-	-	-	-	NEVADA	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	NEW JERSEY	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	NEW MEXICO	-	-	-	-	-	-
NEW YORK	-	-	-	-	NEW YORK	-	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	NORTH CAROLINA	-	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	NORTH DAKOTA	-	-	-	-	-	-
OHIO	-	-	-	-	OHIO	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	PENNSYLVANIA	-	-	-	-	-	-
RHODE ISLAND	-	-	-	-	RHODE ISLAND	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	SOUTH CAROLINA	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	SOUTH DAKOTA	-	-	-	-	-	-
TENNESSEE	-	-	-	-	TENNESSEE	-	-	-	-	-	-
TEXAS	-	-	-	-	TEXAS	-	-	-	-	-	-
UTAH	-	-	-	-	UTAH	-	-	-	-	-	-
VERMONT	-	-	-	-	VERMONT	-	-	-	-	-	-
VIRGINIA	-	-	-	-	VIRGINIA	-	-	-	-	-	-
WASHINGTON	-	-	-	-	WASHINGTON	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	WEST VIRGINIA	-	-	-	-	-	-
WISCONSIN	-	-	-	-	WISCONSIN	-	-	-	-	-	-
WYOMING	-	-	-	-	WYOMING	-	-	-	-	-	-
SUBTOTAL	1,482	2,195	4,058	37	SUBTOTAL	6,439	20,847	8,87			

TABLE 3-F. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		
				NUMBER					RATE 1/	NUMBER	RATE 1/
COMPLETE DATA					COMPLETE DATA						
ALABAMA	7,349	992	370	70	7.06	660	354	1,469	34	9.60	
ALASKA	1,001	245	671	2	0.82	27	27	2,740	1	3.70	
ARIZONA	4,840	692	392	30	4.34	459	559	3,337	10	1.79	
CALIFORNIA	12,112	3,077	696	154	5.00	2,496	2,766	3,036	62	2.24	
COLORADO	16,246	1,367	231	66	4.83	35	25	1,957	6	24.00	
DELAWARE	164	69	1,153	1	1.45	21	4	522	0	0.00	
DIST. OF COL.	-	-	-	-	-	5	10	5,479	0	0.00	
HAWAII	231	220	2,609	10	4.55	-	-	-	-	-	
IDAHO	4,740	222	128	7	3.15	87	220	6,928	1	0.45	
ILLINOIS	5,062	1,931	1,045	46	2.38	65	5	1,211	0	0.00	
INDIANA	10,850	2,297	580	34	1.48	175	115	1,800	1	0.87	
IOWA	16,472	688	114	28	4.07	43	131	8,347	3	2.29	
KANSAS	9,430	268	78	6	2.24	65	33	1,391	0	0.00	
KENTUCKY	9,386	1,587	463	79	4.98	294	320	2,982	4	1.25	
MAINE	2,814	376	561	15	2.60	123	120	2,673	5	4.17	
MASSACHUSETTS	1,954	443	621	15	3.39	36	17	1,294	4	23.53	
MICHIGAN	7,828	1,534	537	183	11.93	232	156	1,842	5	3.21	
MINNESOTA	12,143	930	210	32	3.44	2,003	2,449	3,350	4	0.16	
MISSOURI	5,456	278	140	8	2.88	1,227	1,468	3,278	18	1.23	
MONTANA	11,191	300	73	10	3.33	240	311	3,550	7	2.25	
NEBRASKA	11,614	321	76	8	2.49	117	64	1,499	2	3.13	
NEVADA	2,418	136	154	5	3.68	-	-	-	-	-	
NEW JERSEY	1,294	1,084	2,295	30	2.77	162	128	2,165	7	5.47	
NEW MEXICO	3,214	288	246	22	7.64	95	30	865	5	16.67	
NEW YORK	11,002	4,169	1,038	105	2.52	255	276	2,965	4	1.45	
NORTH CAROLINA	9,477	2,585	747	143	5.53	377	474	3,445	2	0.42	
NORTH DAKOTA	8,131	207	70	9	4.35	1,055	657	1,706	9	1.37	
OHIO	7,539	1,840	669	69	3.75	21	14	1,826	2	14.29	
OREGON	9,380	1,037	303	12	1.16	-	-	-	-	-	
PENNSYLVANIA	9,196	2,364	704	76	3.21	180	128	1,948	6	4.69	
RHODE ISLAND	221	111	1,376	2	1.80	-	-	-	-	-	
SOUTH CAROLINA	4,107	499	333	19	3.81	-	-	-	-	-	
SOUTH DAKOTA	7,554	225	82	8	3.56	576	392	1,865	9	2.30	
TENNESSEE	6,743	829	337	18	2.17	60	74	3,379	1	1.35	
TEXAS	20,739	2,206	291	110	4.99	-	-	-	-	-	
UTAH	4,878	178	100	34	19.10	3,707	4,228	3,125	101	2.39	
VIRGINIA	2,359	360	418	13	3.61	295	256	2,378	2	0.78	
WASHINGTON	7,373	923	343	52	5.63	-	-	-	-	-	
WEST VIRGINIA	2,210	330	409	13	3.94	23	13	1,549	0	0.00	
WISCONSIN	6,698	968	396	14	1.45	531	404	3,523	0	0.00	
WYOMING	7,560	502	182	24	4.78	47	40	2,084	3	0.74	
SUBTOTAL	282,976	38,878	376	1,582	4.07	15,801	16,277	2,822	318	1.95	
INCOMPLETE DATA											
ARKANSAS											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											
1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 3-G. FATAL ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		
				NUMBER					RATE 1/	NUMBER	RATE 1/
COMPLETE DATA					COMPLETE DATA						
ALABAMA	48,782	2,724	153	230	8.44	9,710	2,738	773	135	4.93	
ALASKA	2,794	368	362	11	2.99	999	270	740	2	0.74	
ARIZONA	55,065	1,613	80	56	3.47	6,437	1,310	558	38	2.90	
ARKANSAS	44,857	1,084	66	65	6.00	4,706	644	375	30	4.66	
CALIFORNIA	76,850	4,234	151	194	4.58	40,858	4,300	288	239	5.56	
COLORADO	41,752	1,417	93	27	1.91	6,442	2,613	1,111	16	0.61	
DELAWARE	2,759	347	345	14	4.03	955	230	947	3	0.91	
DIST. OF COL.						673	581	2,355	1	0.17	
HAWAII	1,770	296	458	2	0.68	897	787	2,404	8	1.02	
IDAHO	54,034	748	38	35	4.68	1,489	553	1,018	10	1.81	
ILLINOIS	76,974	3,237	115	109	3.37	21,418	6,371	815	145	2.28	
INDIANA	49,009	1,759	98	91	5.17	11,759	3,252	758	50	1.54	
IOWA	65,466	1,505	63	53	3.52	5,005	1,011	553	16	1.58	
KANSAS	83,420	1,218	40	53	4.35	5,833	1,275	599	23	1.80	
KENTUCKY	41,175	1,805	120	62	3.43	4,475	1,014	621	24	2.37	
MAINE	12,000	657	150	23	3.50	1,349	230	467	6	2.61	
MASSACHUSETTS	8,068	461	157	66	14.32	12,936	2,805	594	128	4.56	
MICHIGAN	60,033	1,155	53	258	22.34	16,490	1,918	319	266	13.87	
MINNESOTA	80,260	2,253	77	55	2.44	9,008	2,109	641	12	0.57	
MISSOURI	73,985	2,082	77	66	3.17	8,894	676	270	48	5.48	
MONTANA	46,659	616	36	21	3.41	1,666	599	1,150	4	0.57	
NEBRASKA	57,131	1,119	54	36	3.22	3,044	508	457	13	2.56	
NEVADA	34,440	264	21	11	4.17	1,601	403	690	7	1.74	
NEW JERSEY	7,386	752	279	32	4.26	15,628	9,541	1,673	79	0.83	
NEW MEXICO	37,856	747	54	42	5.62	3,205	1,008	862	22	2.18	
NEW YORK	48,676	5,121	288	118	2.30	25,534	9,238	991	143	1.55	
NORTH CAROLINA	51,365	2,999	160	209	6.97	11,755	3,477	810	51	1.47	
NORTH DAKOTA	59,894	1,707	32	14	1.98	979	204	571	3	1.47	
OHIO	56,892	6,168	297	148	2.40	19,743	11,434	1,587	115	1.01	
OREGON	102,836	1,353	36	23	1.70	5,835	886	416	15	1.69	
PENNSYLVANIA	61,416	5,485	245	105	1.91	19,002	5,272	760	209	3.96	
RHODE ISLAND	2,018	289	392	3	1.04	2,576	819	871	15	1.83	
SOUTH CAROLINA	37,231	2,808	207	127	4.52	4,895	937	524	24	2.56	
SOUTH DAKOTA	46,890	524	31	14	2.67	1,009	213	578	11	5.16	
TENNESSEE	49,343	1,567	87	115	7.34	8,612	3,965	1,261	58	1.46	
TEXAS	141,815	4,637	90	290	6.25	44,976	17,351	1,057	258	1.49	
UTAH	28,563	578	55	2	0.35	3,655	1,230	922	19	1.54	
VIRGINIA	33,729	2,811	228	84	2.99	8,782	3,435	1,196	50	1.30	
WEST VIRGINIA	20,477	1,873	117	18	2.06	1,890	196	284	3	1.53	
WISCONSIN	67,401	1,311	53	85	6.48	9,262	2,828	837	63	2.23	
WYOMING	21,622	227	29	11	4.85	877	126	394	5	3.97	
SUBTOTAL	1,892,683	69,919	101	2,978	4.26	364,859	109,157	820	2,367	2.17	
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											
WASHINGTON											

1/ FATAL ACCIDENTS PER 100 MILLION VEHICLE MILES.

TABLE 4-A. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982

FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA					COMPLETE DATA						
ALABAMA	642	2,724	11,625	411	15.09	182	1,980	29,806	619	31.26	
ALASKA	1,072	1,722	1,845	396	54.85	20	169	23,151	288	170.41	
ARIZONA	1,028	3,143	8,376	966	30.73	115	1,230	29,303	896	72.85	
ARKANSAS	425	2,132	13,744	383	17.96	115	1,079	29,706	467	43.28	
CALIFORNIA	1,459	9,046	16,987	2,201	24.33	804	28,650	97,628	9,415	32.86	
COLORADO	806	2,625	8,923	1,102	41.98	110	2,287	56,961	1,762	77.04	
DELAWARE	7	164	64,188	40	24.39	34	516	41,579	138	26.74	
DIST. OF COL.	-	-	-	-	-	12	360	82,192	237	65.83	
GEORGIA	931	6,813	20,049	1,654	24.28	232	5,402	63,793	1,331	24.64	
HAWAII	5	52	28,493	57	109.62	31	768	67,874	647	84.24	
IDAHO	551	1,139	5,663	432	37.93	52	270	14,226	130	48.15	
ILLINOIS	1,265	5,054	10,946	1,270	25.13	446	8,800	54,057	5,653	64.24	
INDIANA	855	5,209	16,691	963	18.49	259	3,684	38,970	714	19.38	
IOWA	612	2,202	9,858	471	21.39	124	832	18,383	446	53.61	
KANSAS	554	1,701	7,126	506	29.75	154	1,252	22,274	752	60.06	
KENTUCKY	596	3,655	16,802	636	17.40	141	2,150	41,776	728	33.86	
MAINE	282	938	9,113	322	34.33	31	219	19,355	136	62.10	
MASSACHUSETTS	172	1,370	21,822	204	14.89	380	6,864	49,488	860	12.53	
MICHIGAN	716	3,619	13,848	1,872	51.73	415	7,317	48,305	3,197	43.69	
MINNESOTA	696	2,062	8,117	230	11.15	177	2,823	43,696	1,524	53.99	
MISSOURI	833	3,733	12,278	633	16.96	286	5,114	48,989	2,046	40.01	
MONTANA	1,085	1,313	3,315	465	35.42	43	122	7,773	64	52.46	
NEBRASKA	446	1,418	8,711	224	15.80	35	467	36,556	318	68.09	
NEVADA	497	1,074	5,920	363	33.80	38	427	30,786	345	80.80	
NEW JERSEY	108	1,069	27,118	200	18.71	230	5,635	67,123	2,333	41.40	
NEW MEXICO	916	2,130	6,371	842	39.53	83	651	21,489	363	55.76	
NEW YORK	874	4,044	12,677	2,027	50.12	554	8,487	41,971	6,425	75.70	
NORTH CAROLINA	583	3,570	16,777	743	20.81	192	2,032	28,995	699	34.40	
NORTH DAKOTA	536	715	3,655	148	20.70	35	120	9,393	37	30.83	
OHIO	882	6,959	21,617	1,337	19.21	655	12,440	52,034	5,509	44.28	
OREGON	583	2,494	11,720	467	18.72	124	1,485	32,810	619	41.68	
PENNSYLVANIA	1,174	6,792	15,850	1,964	28.92	323	4,655	39,484	2,105	45.22	
SOUTH CAROLINA	677	3,158	12,780	350	11.08	79	985	34,160	224	22.74	
SOUTH DAKOTA	616	1,119	4,977	228	20.38	40	149	10,205	86	57.72	
TENNESSEE	833	5,582	18,359	771	13.81	196	3,323	46,450	1,482	44.60	
TEXAS	2,236	9,178	11,246	2,506	27.30	841	17,323	56,433	12,980	74.93	
UTAH	663	1,442	5,959	586	40.64	124	1,695	37,450	611	36.05	
VIRGINIA	805	4,688	15,955	1,012	21.59	213	4,042	51,990	1,483	36.69	
WASHINGTON	471	2,724	15,845	441	16.19	234	5,133	60,098	1,148	22.37	
WEST VIRGINIA	359	1,276	9,738	313	24.53	70	630	24,658	347	55.08	
WISCONSIN	466	2,870	16,873	519	18.08	111	1,763	43,515	891	50.54	
WYOMING	849	1,376	4,440	645	46.88	49	135	7,548	68	50.37	
SUBTOTAL	29,266	123,094	11,523	30,900	25.10	8,389	153,465	50,119	70,123	45.69	
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
RHODE ISLAND											
VERMONT											
λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 4-B. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA					COMPLETE DATA						
ALABAMA	5,908	5,927	2,749	2,967	50.06	699	2,652	10,394	2,495	94.08	
ALASKA	1,532	573	1,023	298	52.01	16	84	14,384	198	235.71	
ARIZONA	3,316	3,172	2,621	1,413	44.55	166	1,143	18,864	2,938	257.04	
CALIFORNIA	9,819	17,644	4,923	10,442	56.91	1,381	28,027	55,602	12,477	44.52	
COLORADO	3,993	4,037	2,770	2,395	59.33	322	4,837	41,155	4,048	83.59	
DELAWARE	349	1,288	10,111	715	55.51	75	873	20,932	873	152.36	
DIST. OF COL.	-	-	-	-	-	158	1,373	23,808	2,723	198.32	
HAWAII	402	913	6,222	854	93.54	110	1,170	29,141	1,607	137.35	
IDAHO	2,575	1,580	1,681	1,224	77.47	39	144	10,116	264	183.33	
ILLINOIS	7,901	8,245	2,859	6,546	79.39	1,822	10,010	15,052	22,070	220.48	
INDIANA	4,190	7,018	4,589	6,820	97.18	795	3,933	13,554	739	18.79	
IOWA	8,193	5,785	1,934	3,298	57.01	677	2,071	8,381	4,759	229.79	
KANSAS	7,267	4,729	1,668	2,452	51.85	338	1,320	10,700	2,001	151.59	
KENTUCKY	3,294	4,565	3,797	3,471	76.04	429	2,424	15,480	2,815	116.13	
MAINE	1,834	2,000	2,988	1,727	86.35	159	587	10,115	1,306	222.49	
MASSACHUSETTS	1,015	2,597	7,010	1,187	45.71	1,214	7,936	17,910	5,188	65.37	
MICHIGAN	4,684	8,059	4,714	10,799	134.00	1,246	9,924	21,821	3,366	33.92	
MINNESOTA	8,842	6,947	2,153	3,109	44.75	472	2,371	13,762	2,819	118.99	
MISSOURI	6,372	6,670	2,868	3,409	51.11	565	3,460	16,778	2,686	77.53	
MONTANA	5,390	2,126	1,081	1,600	75.26	106	418	10,804	541	129.43	
NEBRASKA	6,999	3,580	1,401	1,724	48.16	282	1,098	11,482	2,416	220.04	
NEVADA	1,787	946	1,450	675	71.35	58	338	15,966	111	32.84	
NEW JERSEY	799	3,113	10,674	2,948	94.70	641	8,321	35,565	10,678	128.33	
NEW MEXICO	3,394	2,748	2,218	1,467	53.38	174	666	10,487	2,190	328.83	
NEW YORK	6,498	8,946	3,772	19,268	215.38	1,864	17,381	25,547	24,259	139.57	
NORTH DAKOTA	5,464	1,711	858	689	40.27	128	400	8,562	665	166.25	
OHIO	4,796	8,890	5,078	6,918	77.82	1,530	5,994	10,733	15,214	253.82	
OREGON	4,600	4,445	2,647	3,039	68.37	358	2,203	16,859	3,080	139.81	
PENNSYLVANIA	8,097	14,631	4,951	12,080	82.56	1,833	11,819	17,665	13,586	114.95	
SOUTH CAROLINA	5,074	6,516	3,518	2,701	41.45	412	2,703	17,974	3,547	131.22	
SOUTH DAKOTA	5,738	2,356	1,125	948	40.24	113	421	10,207	769	182.66	
TENNESSEE	5,082	6,484	3,496	4,123	63.59	803	4,029	13,746	5,549	137.73	
TEXAS	15,067	19,148	3,482	8,714	45.51	1,570	12,682	22,131	14,832	116.95	
UTAH	2,473	1,535	1,701	1,114	72.57	103	484	12,076	381	83.92	
VIRGINIA	4,953	8,280	4,580	5,586	67.46	443	3,292	20,359	3,411	103.61	
WASHINGTON	4,447	5,284	3,255	1,421	26.89	530	3,702	19,137	1,403	37.90	
WEST VIRGINIA	2,253	2,573	3,129	3,488	135.56	180	755	11,492	1,291	170.99	
WISCONSIN	7,978	8,982	3,085	5,115	56.95	967	4,589	13,002	5,806	126.52	
WYOMING	2,888	1,448	1,374	775	53.52	92	365	10,870	530	145.21	
SUBTOTAL	185,763	205,491	3,031	147,119	71.59	22,850	165,669	19,864	185,631	112.05	
INCOMPLETE DATA											
ARKANSAS											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
NORTH CAROLINA											
OKLAHOMA											
RHODE ISLAND											
VERMONT											
λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 4-C. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID URBAN HIGHWAYS

STATE	ARTERIAL				STATE	COLLECTOR					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS		
				NUMBER					RATE 1/	NUMBER	RATE 1/
COMPLETE DATA					COMPLETE DATA						
ALASKA	81	447	15,119	1,128	252.35	29	77	7,274	179	232.47	
ARIZONA	1,162	4,299	10,136	12,831	298.46	529	911	4,718	1,205	132.27	
CALIFORNIA	11,425	53,716	12,881	84,047	156.47	4,271	5,371	3,445	7,449	138.69	
COLORADO	1,330	2,610	5,376	8,938	342.45	952	823	2,368	1,526	185.42	
DELAWARE	154	591	10,514	1,131	191.37	117	215	5,035	280	130.23	
DIST. OF COL.	107	641	16,413	1,771	276.29	136	321	6,467	1,190	370.72	
HAWAII	126	952	20,700	2,087	219.22	56	269	13,160	737	273.98	
IDAHO	268	959	9,804	1,619	168.82	304	494	4,452	419	84.82	
ILLINOIS	3,457	13,047	10,340	26,610	203.95	2,950	5,620	5,219	10,883	193.65	
INDIANA	2,952	6,625	6,149	8,010	120.91	1,802	1,511	2,297	4,584	303.38	
IOWA	1,313	2,264	4,724	2,893	127.78	905	624	1,889	614	98.40	
KANSAS	1,052	2,467	6,425	4,403	178.48	477	273	1,568	452	165.57	
KENTUCKY	1,032	3,362	8,925	5,601	166.60	727	1,087	4,096	1,581	145.45	
MAINE	342	787	6,305	626	79.54	308	233	2,073	326	139.91	
MASSACHUSETTS	3,322	9,948	8,204	11,748	118.09	2,483	2,449	2,702	4,028	164.48	
MICHIGAN	2,908	12,735	11,998	9,188	72.15	1,920	3,523	5,027	1,245	35.34	
MINNESOTA	1,488	4,700	8,654	7,016	149.28	554	439	2,171	690	157.18	
MISSOURI	2,428	6,197	6,993	3,559	57.43	1,249	1,245	2,731	44	3.53	
MONTANA	238	473	5,445	860	181.82	92	50	1,489	137	274.00	
NEBRASKA	612	1,530	6,849	4,025	263.07	347	348	2,748	841	241.67	
NEVADA	442	1,971	12,217	3,700	187.72	63	32	1,392	86	268.75	
NEW JERSEY	3,547	12,534	9,681	37,743	301.12	1,812	3,015	4,559	7,568	251.01	
NEW MEXICO	477	1,917	11,011	4,429	231.04	133	208	4,285	680	326.92	
NEW YORK	5,101	13,885	7,458	36,138	260.27	2,840	3,480	3,357	5,429	156.01	
NORTH DAKOTA	197	337	4,687	594	176.26	197	157	2,183	296	188.54	
OHIO	3,394	7,000	5,651	27,876	398.23	3,893	3,904	2,747	13,140	336.58	
OREGON	992	2,633	7,272	6,687	253.97	872	860	2,702	1,753	203.84	
PENNSYLVANIA	3,642	11,307	8,506	14,892	131.71	3,059	3,769	3,376	2,519	66.83	
SOUTH CAROLINA	611	1,450	6,502	1,732	119.45	194	230	3,248	260	113.04	
SOUTH DAKOTA	259	330	3,491	481	145.76	82	43	1,437	144	334.88	
TENNESSEE	1,234	4,096	9,094	7,936	193.75	1,091	1,262	3,169	2,077	164.58	
TEXAS	5,492	19,721	9,838	18,793	95.29	1,433	1,335	2,552	90	6.74	
UTAH	484	2,279	12,639	4,044	177.45	284	597	5,759	1,089	182.41	
VIRGINIA	1,898	7,603	10,975	13,272	174.56	977	1,253	3,514	2,305	183.96	
WASHINGTON	2,185	5,589	7,008	25,132	449.67	1,654	1,488	2,465	4,509	303.02	
WEST VIRGINIA	385	1,035	7,365	385	205.60	399	470	3,227	335	71.28	
WISCONSIN	1,948	4,392	6,177	3,209	73.06	815	632	2,125	769	121.68	
WYOMING	227	368	4,441	298	80.98	200	178	2,438	192	107.87	
SUBTOTAL	68,322	226,797	9,095	407,175	179.53	40,206	48,796	3,325	81,651	167.33	
INCOMPLETE DATA											
ALABAMA											
ARKANSAS											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
NORTH CAROLINA											
OKLAHOMA											
RHODE ISLAND											
VERMONT											
1/ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.											

**TABLE 4-D. NONFATAL INJURY ACCIDENTS
BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID SECONDARY HIGHWAYS**

STATE	COLLECTOR, RURAL			
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS NUMBER RATE λ
COMPLETE DATA				
ALASKA	2,324	720	849	560 77.78
ARIZONA	3,136	1,885	1,389	989 53.60
CALIFORNIA	11,103	7,718	1,904	12,342 139.97
COLORADO	3,441	1,140	908	1,187 104.12
DELAWARE	630	489	2,127	426 87.12
DIST. OF COL.	-	-	-	- -
HAWAII	434	301	1,900	470 156.15
IDAHO	4,250	1,738	1,120	908 52.24
ILLINOIS	12,856	3,287	1,700	3,516 106.97
INDIANA	9,093	3,536	1,065	2,148 60.75
IOWA	13,341	2,299	472	1,984 86.30
KANSAS	22,530	2,164	263	1,356 62.66
KENTUCKY	7,298	3,857	1,449	4,357 112.96
MAINE	2,742	1,290	1,289	1,178 91.32
MASSACHUSETTS	2,006	1,583	2,162	1,132 71.51
MICHIGAN	19,019	8,637	1,244	455 5.27
MINNESOTA	16,281	3,037	511	2,182 71.85
MISSOURI	18,090	4,660	706	3,539 75.94
MONTANA	4,717	423	246	407 96.22
NEBRASKA	11,411	1,046	251	905 86.52
NEVADA	2,332	662	778	624 94.26
NEW JERSEY	1,731	2,173	3,439	3,121 143.63
NEW MEXICO	3,945	1,085	754	1,066 98.25
NEW YORK	6,381	3,836	1,647	12,695 330.94
NORTH DAKOTA	10,458	675	117	366 54.22
OHIO	11,826	7,122	1,650	8,816 123.79
OREGON	7,709	1,622	576	1,822 112.33
PENNSYLVANIA	8,222	5,219	1,739	5,663 108.51
SOUTH CAROLINA	8,863	4,081	1,262	2,152 52.73
SOUTH DAKOTA	10,867	894	225	435 48.66
TENNESSEE	9,820	3,656	1,020	3,110 85.07
TEXAS	32,705	12,048	1,009	8,514 70.67
UTAH	2,556	635	681	541 85.20
VIRGINIA	10,360	4,759	1,259	5,344 112.29
WASHINGTON	7,081	2,501	968	997 39.86
WEST VIRGINIA	6,327	2,740	1,196	3,921 143.10
WISCONSIN	11,737	3,762	878	5,440 144.60
WYOMING	2,281	400	480	288 72.00
SUBTOTAL	319,897	107,347	919	104,956 97.77
INCOMPLETE DATA				
ALABAMA				
ARKANSAS				
CONNECTICUT				
FLORIDA				
GEORGIA				
LOUISIANA				
MARYLAND				
MISSISSIPPI				
NEW HAMPSHIRE				
NORTH CAROLINA				
OKLAHOMA				
RHODE ISLAND				
VERMONT				
λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.				

TABLE 4-E. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	-	-	-	-	-	ALABAMA	-	-	-	-	-
ALASKA	-	-	-	-	-	ALASKA	-	-	-	-	-
ARIZONA	15	17	3,105	10	58.82	ARIZONA	22	85	10,585	58	68.24
CALIFORNIA	31	73	6,452	31	42.47	CALIFORNIA	1,279	5,380	11,524	4,028	74.87
COLORADO	-	-	-	-	-	COLORADO	4	5	3,425	66	1,320.00
DELAWARE	1	1	2,740	7	700.00	DELAWARE	3	4	3,653	1	25.00
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	11	94	23,412	282	300.00
GEORGIA	-	-	-	-	-	GEORGIA	-	-	-	-	-
HAWAII	-	-	-	-	-	HAWAII	13	56	11,802	116	207.14
IDAHO	10	44	12,055	80	181.82	IDAHO	28	5	489	0	0.00
ILLINOIS	-	-	-	-	-	ILLINOIS	79	118	4,092	249	211.02
INDIANA	35	71	5,558	0	0.00	INDIANA	12	177	40,411	25	14.12
IOWA	-	-	-	-	-	IOWA	15	27	4,932	0	0.00
KANSAS	48	61	3,482	41	67.21	KANSAS	210	610	7,958	1,781	291.97
KENTUCKY	-	-	-	-	-	KENTUCKY	1	1	2,740	2	200.00
LOUISIANA	-	-	-	-	-	LOUISIANA	15	43	7,854	996	2,316.28
MAINE	41	72	4,811	31	43.06	MAINE	18	54	8,219	46	85.19
MASSACHUSETTS	-	-	-	-	-	MASSACHUSETTS	163	330	5,547	359	108.79
MICHIGAN	-	-	-	-	-	MICHIGAN	66	37	1,536	172	464.86
MINNESOTA	-	-	-	-	-	MINNESOTA	35	48	3,757	78	162.50
MISSOURI	-	-	-	-	-	MISSOURI	-	-	-	-	-
MONTANA	9	8	2,435	19	237.50	NEBRASKA	11	28	6,974	18	64.29
NEBRASKA	93	17	501	11	64.71	NEBRASKA	282	3,327	32,323	1,567	47.10
NEVADA	-	-	-	-	-	NEVADA	100	126	3,452	175	138.89
NEW JERSEY	139	4	10,959	6	150.00	NEW JERSEY	124	1,423	31,441	1,201	84.40
NEW MEXICO	-	-	-	-	-	NEW MEXICO	4	5	3,425	1	20.00
NEW YORK	-	-	-	-	-	NEW YORK	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	NORTH DAKOTA	55	112	5,579	75	66.96
OHIO	-	-	-	-	-	OHIO	-	-	-	-	-
PENNSYLVANIA	210	126	1,644	108	85.71	PENNSYLVANIA	-	-	-	-	-
RHODE ISLAND	-	-	-	-	-	RHODE ISLAND	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	SOUTH CAROLINA	296	463	4,285	635	137.15
SOUTH DAKOTA	-	-	-	-	-	SOUTH DAKOTA	7	7	2,740	0	0.00
TENNESSEE	14	6	1,174	3	50.00	TENNESSEE	-	-	-	-	-
TEXAS	-	-	-	-	-	TEXAS	1,846	5,361	7,956	1,197	22.33
UTAH	-	-	-	-	-	UTAH	58	45	2,126	46	102.22
VERMONT	1	1	2,740	1	100.00	VERMONT	-	-	-	-	-
VIRGINIA	309	219	1,942	0	0.00	VIRGINIA	54	275	13,952	15	5.45
WASHINGTON	17	2	322	0	0.00	WASHINGTON	3	18	16,438	20	111.11
WEST VIRGINIA	8	27	9,247	4	14.81	WEST VIRGINIA	145	293	5,536	256	87.37
WISCONSIN	-	-	-	-	-	WISCONSIN	2	12	16,438	0	0.00
WYOMING	251	104	1,135	0	0.00	WYOMING	-	-	-	-	-
SUBTOTAL	1,233	2,061	4,580	790	38.33	SUBTOTAL	4,961	18,569	10,255	13,465	72.51
INCOMPLETE DATA						INCOMPLETE DATA					
ARKANSAS	-	-	-	-	-	ARKANSAS	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	CONNECTICUT	-	-	-	-	-
FLORIDA	-	-	-	-	-	FLORIDA	-	-	-	-	-
LOUISIANA	-	-	-	-	-	LOUISIANA	-	-	-	-	-
MARYLAND	-	-	-	-	-	MARYLAND	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	MISSISSIPPI	-	-	-	-	-
MISSOURI	-	-	-	-	-	MISSOURI	-	-	-	-	-
NEW HAMPSHIRE	-	-	-	-	-	NEW HAMPSHIRE	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	NORTH CAROLINA	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	OKLAHOMA	-	-	-	-	-
WASHINGTON	-	-	-	-	-	WASHINGTON	-	-	-	-	-
1/ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 4-F. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURY ACCIDENTS	
				NUMBER	RATE λ					NUMBER	RATE λ
COMPLETE DATA						COMPLETE DATA					
ALASKA	1,001	245	671	174	71.02	ALASKA	27	27	2,740	67	248.15
ARIZONA	4,840	692	392	232	33.53	ARIZONA	459	559	3,337	978	174.96
CALIFORNIA	12,112	3,077	656	10,372	337.08	CALIFORNIA	2,496	2,766	3,036	4,028	145.63
COLORADO	16,246	1,367	231	2,007	146.82	COLORADO	35	45	1,957	100	400.00
DELAWARE	164	69	1,153	63	91.30	DELAWARE	21	24	522	30	750.00
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	5	10	5,479	37	370.00
HAWAII	231	220	2,609	192	87.27	GEORGIA	-	-	-	-	-
IDAHO	4,740	222	128	160	72.07	HAWAII	87	220	6,928	147	66.82
ILLINOIS	5,062	1,931	1,045	1,038	53.75	IDAHO	65	55	211	0	0.00
INDIANA	10,850	2,297	580	1,944	84.63	ILLINOIS	175	115	1,800	401	348.70
IOWA	16,472	688	114	669	97.24	INDIANA	43	131	8,347	46	35.11
KANSAS	9,430	268	78	133	49.63	IOWA	65	33	1,391	39	118.18
KENTUCKY	9,386	1,587	463	2,046	128.92	KANSAS	294	320	2,982	649	202.81
MAINE	2,814	576	561	788	136.81	KENTUCKY	123	120	2,673	239	199.17
MASSACHUSETTS	1,954	443	621	709	160.05	MAINE	36	17	1,294	215	1,264.71
MICHIGAN	7,828	1,534	537	8,753	570.60	MASSACHUSETTS	232	156	1,842	146	93.59
MINNESOTA	12,143	930	210	688	73.98	MICHIGAN	2,003	2,449	3,350	830	33.89
MISSOURI	5,456	278	140	230	82.73	MINNESOTA	1,227	1,468	3,278	2,491	169.69
MONTANA	11,191	300	73	390	130.00	MONTANA	117	64	1,499	68	106.25
NEBRASKA	11,614	321	76	391	121.81	NEBRASKA	-	-	-	-	-
NEVADA	2,418	136	154	95	69.85	NEVADA	162	128	2,165	529	413.28
NEW JERSEY	1,294	1,084	2,295	1,191	109.87	NEW JERSEY	95	30	865	150	500.00
NEW MEXICO	3,214	288	246	229	79.51	NEW MEXICO	255	276	2,965	518	187.68
NEW YORK	11,002	4,169	1,038	12,475	299.23	NEW YORK	377	474	3,445	424	89.45
NORTH DAKOTA	8,131	207	70	111	53.62	NORTH DAKOTA	21	14	1,826	41	292.86
OHIO	7,539	1,840	669	2,640	143.48	OHIO	-	-	-	-	-
OREGON	9,380	1,037	303	365	35.20	OREGON	180	128	1,948	276	215.63
PENNSYLVANIA	9,196	2,364	704	2,981	126.10	PENNSYLVANIA	-	-	-	-	-
SOUTH CAROLINA	4,107	499	333	225	45.09	RHODE ISLAND	-	-	-	-	-
SOUTH DAKOTA	7,554	225	82	102	45.33	SOUTH CAROLINA	576	392	1,865	401	102.30
TENNESSEE	6,743	829	337	283	34.14	SOUTH DAKOTA	60	74	3,379	0	0.00
TEXAS	20,739	2,206	291	1,240	56.21	TENNESSEE	-	-	-	-	-
UTAH	4,878	178	100	658	369.66	TEXAS	3,707	4,228	3,125	43	1.02
VIRGINIA	2,359	360	418	520	144.44	UTAH	295	256	2,378	348	135.94
WASHINGTON	7,373	923	343	345	37.38	VERMONT	-	-	-	-	-
WEST VIRGINIA	2,210	330	409	368	111.52	VIRGINIA	23	13	1,549	26	200.00
WISCONSIN	6,698	968	396	400	41.32	WEST VIRGINIA	7	9	3,523	21	233.33
WYOMING	7,560	502	182	167	33.27	WISCONSIN	531	404	2,084	513	126.98
SUBTOTAL	265,929	35,190	363	55,374	157.36	WYOMING	47	40	2,332	1	2.50
INCOMPLETE DATA						SUBTOTAL	13,846	14,955	2,959	13,802	92.29
ALABAMA						INCOMPLETE DATA					
ARKANSAS						ALABAMA					
CONNECTICUT						ARKANSAS					
FLORIDA						CONNECTICUT					
GEORGIA						FLORIDA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						MISSOURI					
NORTH CAROLINA						NEW HAMPSHIRE					
OKLAHOMA						NORTH CAROLINA					
RHODE ISLAND						OKLAHOMA					
VERMONT						RHODE ISLAND					
λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 4-6. NONFATAL INJURY ACCIDENTS BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE PER MILE	NONFATAL INJURY ACCIDENTS		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE PER MILE	NONFATAL INJURY ACCIDENTS		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA					COMPLETE DATA						
ALABAMA	48,782	2,724	153	3,835	140.79	9,710	2,738	773	10,355	378.20	
ALASKA	2,784	368	362	746	202.72	999	270	740	56	20.74	
ARIZONA	55,065	1,613	80	3,013	186.79	6,437	1,310	558	3,437	262.37	
ARKANSAS	44,857	1,084	66	1,448	133.58	4,706	644	375	5,217	810.09	
CALIFORNIA	76,850	4,234	151	13,042	308.03	40,858	4,300	288	15,498	360.42	
COLORADO	41,752	1,417	93	1,206	85.11	6,442	2,613	1,111	2,156	82.51	
DELAWARE	2,759	347	345	437	125.94	955	330	947	601	182.12	
DIST. OF COL.	-	-	-	-	-	673	581	2,365	2,887	496.90	
HAWAII	1,770	296	458	114	38.51	897	787	2,404	1,404	178.40	
IDAHO	54,034	748	38	1,152	154.01	1,489	553	1,018	799	144.48	
ILLINOIS	76,974	3,237	115	4,194	129.56	21,418	6,371	815	22,259	349.38	
INDIANA	49,009	1,759	98	5,795	329.45	11,759	3,252	758	10,206	313.84	
IOWA	65,466	1,505	63	1,267	84.19	5,005	1,011	553	1,493	147.68	
KANSAS	83,420	1,218	40	2,325	190.89	5,833	1,275	599	2,991	234.59	
KENTUCKY	41,175	1,805	120	2,671	147.98	4,475	1,014	621	2,801	276.23	
MAINE	12,000	657	150	1,631	248.25	1,349	230	467	404	175.65	
MASSACHUSETTS	8,068	461	157	1,870	405.64	12,936	2,805	594	7,393	263.56	
MICHIGAN	60,033	1,155	53	13,129	1,136.71	16,490	1,918	319	34,191	1,782.64	
MINNESOTA	80,260	2,253	77	720	31.96	9,008	2,109	641	2,918	138.36	
MONTANA	46,659	616	36	1,280	207.79	1,666	599	1,150	226	32.33	
NEBRASKA	57,131	1,119	35	1,429	127.70	3,044	508	457	1,006	198.03	
NEVADA	34,440	264	21	173	65.53	1,601	403	690	815	202.23	
NEW JERSEY	7,386	752	279	2,084	277.13	15,628	9,541	1,673	11,900	124.72	
NEW MEXICO	37,856	747	54	1,006	134.67	3,205	1,008	862	1,899	188.39	
NEW YORK	48,676	5,121	288	21,910	427.85	25,534	9,238	991	28,437	307.83	
NORTH DAKOTA	59,894	707	32	484	68.46	979	204	571	436	213.73	
OHIO	56,892	6,168	297	7,715	125.08	19,743	11,434	1,587	15,554	136.03	
OREGON	102,836	1,353	36	676	49.96	5,835	886	416	2,332	263.21	
PENNSYLVANIA	61,416	5,485	245	6,006	109.50	19,002	5,272	760	21,883	415.08	
SOUTH CAROLINA	37,231	2,808	207	1,817	64.71	4,895	937	524	1,642	175.24	
SOUTH DAKOTA	46,890	524	31	540	103.05	1,009	213	578	456	214.08	
TENNESSEE	49,343	1,567	87	3,003	191.64	8,612	3,965	1,261	5,800	146.28	
TEXAS	141,815	4,637	90	9,548	205.91	44,976	17,351	1,057	57,402	330.83	
UTAH	28,563	578	55	144	24.91	3,655	1,230	922	1,961	159.43	
VIRGINIA	33,729	2,811	228	2,871	102.13	8,782	3,835	1,196	4,543	118.46	
WEST VIRGINIA	20,477	873	117	988	113.17	1,890	196	284	170	86.73	
WISCONSIN	67,401	1,311	53	4,008	305.72	9,262	2,828	837	9,496	335.78	
WYOMING	21,622	227	29	379	166.96	877	126	394	469	372.22	
SUBTOTAL	1,765,315	64,549	100	124,656	193.12	341,634	103,985	834	293,493	282.25	
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
MISSOURI											
NEW HAMPSHIRE											
NORTH CAROLINA											
OKLAHOMA											
RHODE ISLAND											
VERMONT											
WASHINGTON											
λ NONFATAL INJURY ACCIDENTS PER 100 MILLION VEHICLE MILES.											

TABLE 5-A. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES	
				NUMBER	RATE λ					NUMBER	RATE λ
COMPLETE DATA						COMPLETE DATA					
ALABAMA	642	2,724	11,625	36	1.32	ALABAMA	182	1,980	29,806	18	0.91
ALASKA	1,072	1,722	1,845	35	4.85	ALASKA	20	169	23,151	1	0.59
ARIZONA	1,028	3,143	8,376	95	3.92	ARIZONA	115	1,230	29,303	16	1.30
ARKANSAS	425	2,132	13,744	21	0.98	ARKANSAS	115	1,079	25,706	14	1.30
CALIFORNIA	1,459	9,046	16,987	227	2.51	CALIFORNIA	804	28,650	97,628	229	0.80
COLORADO	806	2,625	8,523	84	3.20	COLORADO	110	2,287	56,961	47	2.06
DELAWARE	7	164	64,188	1	0.61	DELAWARE	34	516	41,579	8	1.55
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	12	360	82,192	4	1.11
GEORGIA	931	6,813	20,049	78	1.14	GEORGIA	232	5,402	63,793	64	1.18
HAWAII	5	52	28,493	2	3.85	HAWAII	31	768	67,874	7	0.91
IDAH0	551	1,139	5,663	31	2.72	IDAH0	52	270	14,226	7	2.59
ILLINOIS	1,265	5,054	10,946	47	0.93	ILLINOIS	446	8,800	54,057	84	0.95
INDIANA	855	5,209	16,691	54	1.04	INDIANA	259	3,684	38,970	25	0.68
IOWA	612	2,202	9,858	22	1.00	IOWA	124	832	18,383	9	1.08
KANSAS	654	1,701	7,126	15	0.88	KANSAS	154	1,252	22,274	24	1.92
KENTUCKY	596	3,655	16,802	35	0.96	KENTUCKY	141	2,150	41,776	28	1.30
MAINE	282	938	9,113	2	0.21	MAINE	31	219	19,355	3	1.37
MASSACHUSETTS	172	1,370	21,822	11	0.80	MASSACHUSETTS	380	6,864	49,488	31	0.45
MICHIGAN	716	3,619	13,848	45	1.24	MICHIGAN	415	7,317	48,305	48	0.66
MINNESOTA	696	2,062	8,117	11	0.53	MINNESOTA	177	2,823	43,696	18	0.64
MISSOURI	833	3,733	12,278	31	0.83	MISSOURI	286	5,114	48,989	71	1.39
MONTANA	1,085	1,313	3,315	38	2.89	MONTANA	43	122	7,773	0	0.00
NEBRASKA	446	1,418	8,711	12	0.85	NEBRASKA	35	467	36,556	7	1.50
NEVADA	497	1,074	5,320	36	3.35	NEVADA	38	427	30,786	6	1.41
NEW JERSEY	108	1,069	27,118	9	0.84	NEW JERSEY	230	5,635	67,123	53	0.94
NEW MEXICO	916	2,130	6,371	89	4.18	NEW MEXICO	83	651	21,489	7	1.08
NEW YORK	874	4,044	12,677	42	1.04	NEW YORK	554	8,487	41,971	100	1.18
NORTH CAROLINA	583	3,570	16,777	47	1.32	NORTH CAROLINA	192	2,032	28,995	22	1.08
NORTH DAKOTA	536	715	3,655	6	0.84	NORTH DAKOTA	35	120	9,393	2	1.57
OHIO	882	6,959	21,517	37	0.53	OHIO	655	12,440	52,034	102	0.82
OREGON	583	2,494	11,720	32	1.28	OREGON	124	1,485	32,810	18	1.21
PENNSYLVANIA	1,174	6,792	15,850	63	0.93	PENNSYLVANIA	323	39,484	39,484	49	1.05
RHODE ISLAND	28	119	11,644	2	1.68	RHODE ISLAND	44	1,047	65,193	13	1.24
SOUTH CAROLINA	677	3,158	12,780	31	0.98	SOUTH CAROLINA	79	985	34,160	9	0.91
SOUTH DAKOTA	616	1,119	4,977	10	0.89	SOUTH DAKOTA	40	149	10,205	0	0.00
TENNESSEE	833	5,582	18,359	71	1.27	TENNESSEE	196	3,323	46,450	42	1.26
TEXAS	2,236	9,178	11,246	249	2.71	TEXAS	841	17,323	56,433	337	1.55
UTAH	663	1,442	5,959	47	3.26	UTAH	124	1,695	37,450	13	0.77
VIRGINIA	805	4,688	15,955	53	1.13	VIRGINIA	213	4,042	51,990	32	0.79
WASHINGTON	471	2,724	15,845	20	0.73	WASHINGTON	234	5,133	60,098	25	0.49
WEST VIRGINIA	359	1,276	9,738	16	1.25	WEST VIRGINIA	70	630	24,658	11	1.75
WISCONSIN	466	2,870	16,873	23	0.80	WISCONSIN	111	1,763	43,515	10	0.57
WYOMING	849	1,376	4,440	33	2.40	WYOMING	49	135	7,548	1	0.74
SUBTOTAL	29,294	123,213	11,524	1,849	1.50	SUBTOTAL	8,433	154,512	50,198	1,615	1.05
INCOMPLETE DATA						INCOMPLETE DATA					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
OKLAHOMA						OKLAHOMA					
VERMONT						VERMONT					
λ FATALITIES PER 100 MILLION VEHICLE MILES.											

TABLE 5-B. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA											
ALABAMA	5,908	5,927	2,749	88	1.48	699	2,652	10,394	62	2.34	
ALASKA	1,532	573	1,025	19	3.32	16	84	14,384	1	1.19	
ARIZONA	3,316	3,172	2,621	177	5.58	166	1,143	18,864	37	3.24	
CALIFORNIA	9,819	17,644	4,923	817	4.63	1,381	28,027	55,602	354	1.26	
COLORADO	3,993	4,037	2,770	162	4.01	322	4,837	41,155	63	1.30	
DELAWARE	349	1,288	10,111	36	2.80	75	573	20,932	17	2.97	
DIST. OF COL.	-	-	-	-	-	158	1,373	23,808	18	1.31	
HAWAII	402	913	6,222	50	5.48	110	1,170	29,141	29	2.48	
IDAHO	2,575	1,580	1,681	99	6.27	39	144	10,116	1	0.69	
ILLINOIS	7,901	8,245	2,859	318	3.86	1,822	10,010	15,052	281	2.81	
INDIANA	4,190	7,018	4,589	223	3.18	795	3,933	13,554	62	1.58	
IOWA	8,193	5,785	1,934	153	2.64	677	2,071	8,381	51	2.46	
KANSAS	7,767	4,729	1,668	193	4.08	338	1,320	10,700	24	1.82	
KENTUCKY	3,294	4,565	3,797	207	4.53	429	2,424	15,480	37	1.53	
MAINE	1,834	2,000	2,988	53	2.65	159	587	10,115	12	2.04	
MASSACHUSETTS	1,015	2,597	7,010	42	1.62	1,214	7,936	17,910	98	1.23	
MICHIGAN	4,684	8,059	4,714	359	4.45	1,246	9,924	21,821	41	0.41	
MINNESOTA	8,842	6,947	2,153	201	2.89	472	2,371	13,762	42	1.77	
MISSOURI	6,372	6,670	2,868	228	3.42	565	3,460	16,778	70	2.02	
MONTANA	5,390	2,126	1,081	121	5.69	106	418	10,804	5	1.20	
NEBRASKA	6,999	3,580	1,401	101	2.82	262	1,098	11,482	26	2.37	
NEVADA	1,787	946	1,450	62	6.55	58	338	15,966	3	0.89	
NEW JERSEY	799	3,113	10,674	94	3.02	641	8,321	35,565	170	2.04	
NEW MEXICO	3,394	2,748	2,218	183	6.66	174	666	10,487	41	6.16	
NEW YORK	6,498	8,946	3,772	305	3.41	1,864	17,381	25,547	388	2.23	
NORTH CAROLINA	3,724	6,998	5,148	216	3.09	600	3,767	17,201	75	1.99	
NORTH DAKOTA	5,464	1,711	858	63	3.68	128	5,994	8,562	5	1.25	
OHIO	4,796	8,890	5,078	290	3.26	1,530	5,994	10,733	155	2.59	
OREGON	4,600	4,445	2,647	177	3.98	358	2,203	16,859	40	1.82	
PENNSYLVANIA	8,097	14,631	4,951	533	3.64	1,833	11,819	17,665	251	2.12	
RHODE ISLAND	214	532	6,811	18	3.38	163	710	11,934	16	2.25	
SOUTH CAROLINA	5,074	6,516	3,518	246	3.78	412	2,703	17,974	48	1.78	
SOUTH DAKOTA	5,738	2,356	1,125	62	2.63	113	421	10,207	6	1.43	
TENNESSEE	5,082	6,484	3,496	312	4.81	803	4,029	13,746	72	1.79	
TEXAS	15,067	19,148	3,482	973	5.08	1,570	12,682	22,131	364	2.87	
UTAH	2,473	1,535	1,701	77	5.02	103	454	12,076	5	1.10	
VIRGINIA	4,953	8,280	4,580	242	2.92	443	3,292	20,359	46	1.40	
WASHINGTON	4,447	5,284	3,255	74	1.40	530	3,702	19,137	30	0.81	
WEST VIRGINIA	2,253	2,573	3,129	152	5.91	180	755	11,492	30	3.97	
WISCONSIN	7,978	8,982	3,085	234	2.61	967	4,589	13,002	62	1.35	
WYOMING	2,888	1,448	1,374	74	5.11	92	365	10,870	9	2.47	
SUBTOTAL	189,701	213,021	3,077	8,034	3.77	23,613	170,146	19,741	3,147	1.85	
INCOMPLETE DATA											
ARKANSAS											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											
λ FATALITIES PER 100 MILLION VEHICLE MILES.											

TABLE 5-C. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID URBAN HIGHWAYS

STATE	ARTERIAL					STATE	COLLECTOR				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALASKA	81	447	15,119	12	2.68	ALASKA	29	77	7,274	1	1.30
ARIZONA	1,162	4,299	10,136	153	3.56	ARIZONA	529	911	4,718	10	1.10
CALIFORNIA	11,425	53,716	12,881	1,618	3.01	CALIFORNIA	4,271	5,371	3,445	147	2.74
COLORADO	1,330	2,610	5,376	98	3.75	COLORADO	952	823	2,368	19	2.31
DELAWARE	154	591	10,514	16	2.71	DELAWARE	117	215	5,035	4	1.86
DIST. OF COL.	107	641	16,413	12	1.87	DIST. OF COL.	136	321	6,467	0	0.00
HAWAII	126	952	20,700	23	2.42	HAWAII	56	269	13,160	5	1.86
IDAHO	268	959	9,804	15	1.56	IDAHO	304	494	4,452	3	0.61
ILLINOIS	3,457	13,047	10,340	353	2.71	ILLINOIS	2,950	5,620	5,219	79	1.41
INDIANA	2,952	6,625	6,149	175	2.64	INDIANA	1,802	1,511	2,297	34	2.25
IOWA	1,313	2,264	4,724	32	1.41	IOWA	905	624	1,12	7	1.12
KANSAS	1,052	2,467	6,425	40	1.62	KANSAS	477	273	1,568	2	0.73
KENTUCKY	1,032	3,322	8,925	80	2.38	KENTUCKY	727	1,087	4,096	27	2.48
MAINE	342	787	6,305	8	1.02	MAINE	308	233	2,073	2	0.86
MASSACHUSETTS	3,322	9,948	8,204	161	1.62	MASSACHUSETTS	2,483	2,449	2,702	39	1.59
MICHIGAN	2,908	12,735	11,998	86	0.68	MICHIGAN	1,920	3,523	5,027	7	0.20
MINNESOTA	1,488	4,700	8,654	56	1.19	MINNESOTA	554	439	2,171	11	2.51
MISSOURI	2,428	6,197	6,993	123	1.98	MISSOURI	1,249	1,245	2,731	10	0.80
MONTANA	238	473	5,445	10	2.11	MONTANA	92	50	1,489	1	2.00
NEBRASKA	612	1,530	6,849	21	1.37	NEBRASKA	347	348	2,748	2	0.57
NEVADA	442	1,971	12,217	95	4.82	NEVADA	63	32	1,392	0	0.00
NEW JERSEY	3,547	12,534	9,681	377	3.01	NEW JERSEY	1,812	3,015	4,559	70	2.32
NEW MEXICO	477	1,917	11,011	59	3.08	NEW MEXICO	133	208	4,285	9	4.33
NEW YORK	5,101	13,885	7,458	621	4.47	NEW YORK	2,840	3,480	3,357	108	3.10
NORTH CAROLINA	1,961	6,445	9,004	112	1.74	NORTH CAROLINA	248	134	1,480	11	8.21
NORTH DAKOTA	197	337	4,687	8	2.37	NORTH DAKOTA	157	157	2,183	4	2.55
OHIO	3,394	7,000	5,651	259	3.70	OHIO	3,893	3,904	2,747	148	3.79
OREGON	992	2,633	7,272	75	2.85	OREGON	872	860	2,702	12	1.40
PENNSYLVANIA	3,642	11,307	8,506	248	2.19	PENNSYLVANIA	3,059	3,769	3,376	29	0.77
RHODE ISLAND	473	1,731	10,026	25	1.44	RHODE ISLAND	372	387	2,850	5	1.29
SOUTH CAROLINA	611	1,450	6,502	28	1.93	SOUTH CAROLINA	194	230	3,248	5	2.17
SOUTH DAKOTA	259	330	3,491	2	0.61	SOUTH DAKOTA	82	43	1,437	0	0.00
TENNESSEE	1,234	4,096	9,094	128	3.13	TENNESSEE	1,091	1,262	3,169	32	2.54
TEXAS	5,492	19,721	9,838	368	1.87	TEXAS	1,433	1,335	2,552	5	0.37
UTAH	494	2,279	12,639	52	2.28	UTAH	284	597	5,759	15	2.51
VIRGINIA	1,898	7,603	10,975	160	2.10	VIRGINIA	977	1,253	3,514	20	1.60
WASHINGTON	2,185	5,589	7,008	395	7.07	WASHINGTON	1,654	1,488	2,465	21	1.41
WEST VIRGINIA	385	1,035	7,365	21	2.03	WEST VIRGINIA	399	470	3,227	2	0.43
WISCONSIN	1,948	4,392	6,177	29	0.66	WISCONSIN	815	632	2,125	6	0.95
WYOMING	227	368	4,441	6	1.63	WYOMING	200	178	2,438	5	2.81
SUBTOTAL	70,756	234,973	9,098	6,160	2.62	SUBTOTAL	40,826	49,317	3,310	917	1.86
INCOMPLETE DATA						INCOMPLETE DATA					
ALABAMA						ALABAMA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
OKLAHOMA						OKLAHOMA					
VERMONT						VERMONT					
1/ FATALITIES PER 100 MILLION VEHICLE MILES.											

**TABLE 5-D. FATALITIES
BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID SECONDARY HIGHWAYS**

STATE	COLLECTOR, RURAL				FATALITIES
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NUMBER	
COMPLETE DATA					
ALABAMA	11,074	3,516	870	106	3.01
ALASKA	2,324	720	849	17	2.36
ARIZONA	3,136	1,555	1,359	83	5.34
CALIFORNIA	11,103	7,715	1,904	468	6.07
COLORADO	3,441	1,140	908	66	5.79
DELAWARE	630	489	2,127	20	4.09
DIST. OF COL.	-	-	-	-	-
HAWAII	434	301	1,900	19	6.31
IDAHO	4,250	1,738	1,120	44	2.53
ILLINOIS	12,856	3,287	700	154	4.69
INDIANA	9,093	3,536	1,065	183	5.18
IOWA	13,341	2,299	472	100	4.35
KANSAS	22,530	2,164	263	84	3.88
KENTUCKY	7,295	3,857	1,449	221	5.73
MAINE	2,742	1,290	1,289	33	2.56
MASSACHUSETTS	2,006	1,583	2,162	41	2.59
MICHIGAN	19,019	8,637	1,244	30	0.35
MINNESOTA	16,281	3,037	511	100	3.29
MISSOURI	18,090	4,660	706	195	4.18
MONTANA	4,717	423	246	36	8.51
NEBRASKA	11,411	1,046	251	30	2.87
NEVADA	2,332	662	778	48	7.25
NEW JERSEY	1,731	2,173	3,439	91	4.19
NEW MEXICO	3,945	1,085	754	89	8.20
NEW YORK	6,381	3,836	1,647	190	4.95
NORTH CAROLINA	10,437	8,393	2,203	342	4.07
NORTH DAKOTA	10,455	675	177	30	4.44
OHIO	11,826	7,122	1,650	260	3.65
OREGON	7,709	1,622	576	88	5.43
PENNSYLVANIA	8,222	5,219	1,739	212	4.06
RHODE ISLAND	166	163	2,690	8	4.91
SOUTH CAROLINA	8,863	4,081	1,262	166	4.07
SOUTH DAKOTA	10,867	894	225	27	3.02
TENNESSEE	9,820	3,656	1,020	192	5.25
TEXAS	32,705	12,048	1,009	673	5.59
UTAH	2,556	635	681	25	3.94
VIRGINIA	10,360	4,759	1,259	168	3.53
WASHINGTON	7,081	2,501	968	30	1.20
WEST VIRGINIA	6,327	2,740	1,186	173	6.31
WISCONSIN	11,737	3,762	878	208	5.53
WYOMING	2,281	400	480	28	7.00
SUBTOTAL	341,574	119,419	958	5,078	4.25
INCOMPLETE DATA					
ARKANSAS					
CONNECTICUT					
FLORIDA					
GEORGIA					
LOUISIANA					
MARYLAND					
MISSISSIPPI					
NEW HAMPSHIRE					
OKLAHOMA					
VERMONT					
^{1/} FATALITIES PER 100 MILLION VEHICLE MILES.					

TABLE 5-E. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		
				NUMBER					RATE 1/	NUMBER	RATE 1/
COMPLETE DATA					COMPLETE DATA						
ALABAMA	-	-	-	-	ALABAMA	-	-	-	-	-	-
ALASKA	-	-	-	-	ALASKA	-	-	-	-	-	-
ARIZONA	15	17	3,105	1	5.88	22	85	10,585	1	1.18	
CALIFORNIA	31	73	6,452	3	4.11	1,279	5,380	11,524	65	1.21	
COLORADO	-	-	-	-	-	4	5	3,425	0	0.00	
DELAWARE	1	1	2,740	0	0.00	3	4	3,653	0	0.00	
DIST. OF COL.	-	-	-	-	-	11	94	23,412	1	1.06	
GEORGIA	-	-	-	-	-	-	-	-	-	-	
HAWAII	10	44	12,055	0	0.00	13	56	11,802	1	1.79	
IDAHO	-	-	-	-	-	28	5	489	0	0.00	
ILLINOIS	-	-	-	-	-	79	118	4,092	4	3.39	
INDIANA	35	71	5,558	2	2.82	12	177	40,411	4	2.26	
IOWA	-	-	-	-	-	15	27	4,932	0	0.00	
KANSAS	48	61	3,482	3	4.92	210	610	7,958	16	2.62	
KENTUCKY	-	-	-	-	-	1	1	2,740	0	0.00	
LOUISIANA	-	-	-	-	-	15	43	7,854	4	9.30	
MAINE	41	72	4,811	1	1.39	18	54	8,219	0	0.00	
MASSACHUSETTS	-	-	-	-	-	163	330	5,547	3	0.91	
MICHIGAN	-	-	-	-	-	66	37	1,536	4	10.81	
MINNESOTA	-	-	-	-	-	203	369	4,980	27	7.32	
MISSOURI	-	-	-	-	-	35	48	3,757	0	0.00	
MONTANA	9	8	2,435	0	0.00	-	-	-	-	-	
NEBRASKA	93	17	501	3	17.65	11	28	6,974	0	0.00	
NEVADA	-	-	-	-	-	282	3,327	32,323	46	1.38	
NEW JERSEY	1	4	10,959	0	0.00	100	126	3,452	1	0.79	
NEW MEXICO	139	1,208	23,810	20	1.66	124	1,423	31,441	4	0.28	
NEW YORK	-	-	-	-	-	1,275	1,909	4,102	33	1.73	
NORTH CAROLINA	249	134	1,474	1	0.75	4	5	3,425	0	0.00	
NORTH DAKOTA	-	-	-	-	-	-	-	-	-	-	
OHIO	-	-	-	-	-	55	112	5,579	1	0.89	
OREGON	-	-	-	-	-	-	-	-	-	-	
PENNSYLVANIA	210	126	1,644	10	7.94	-	-	-	-	-	
RHODE ISLAND	-	-	-	-	-	296	463	4,285	8	1.73	
SOUTH CAROLINA	-	-	-	-	-	7	7	2,740	0	0.00	
SOUTH DAKOTA	14	6	1,174	1	16.67	-	-	-	-	-	
TENNESSEE	-	-	-	-	-	1,846	5,361	7,956	418	7.80	
TEXAS	-	-	-	-	-	58	45	2,126	0	0.00	
UTAH	-	-	-	-	-	-	-	-	-	-	
VERMONT	1	1	2,740	0	0.00	54	275	13,952	4	1.45	
VIRGINIA	-	-	-	-	-	3	18	16,438	0	0.00	
WASHINGTON	309	219	1,942	2	0.91	145	293	5,536	2	0.68	
WEST VIRGINIA	17	2	322	0	0.00	2	12	16,438	0	0.00	
WISCONSIN	8	27	9,247	0	0.00	-	-	-	-	-	
WYOMING	-	-	-	-	-	6,439	20,847	8,870	647	3.10	
SUBTOTAL	1,482	2,195	4,058	47	2.14	-	-	-	-	-	
INCOMPLETE DATA					INCOMPLETE DATA						
ALABAMA	-	-	-	-	ALABAMA	-	-	-	-	-	
ARIZONA	-	-	-	-	ARIZONA	-	-	-	-	-	
CONNECTICUT	-	-	-	-	CONNECTICUT	-	-	-	-	-	
FLORIDA	-	-	-	-	FLORIDA	-	-	-	-	-	
LOUISIANA	-	-	-	-	LOUISIANA	-	-	-	-	-	
MARYLAND	-	-	-	-	MARYLAND	-	-	-	-	-	
MISSISSIPPI	-	-	-	-	MISSISSIPPI	-	-	-	-	-	
NEW HAMPSHIRE	-	-	-	-	NEW HAMPSHIRE	-	-	-	-	-	
OKLAHOMA	-	-	-	-	OKLAHOMA	-	-	-	-	-	
WASHINGTON	-	-	-	-	WASHINGTON	-	-	-	-	-	
1/ FATALITIES PER 100 MILLION VEHICLE MILES.											

TABLE 5-F. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA					COMPLETE DATA						
ALABAMA	7,349	992	370	85	8.57	660	354	1,469	38	10.73	
ALASKA	1,001	245	671	3	1.22	27	27	2,740	1	3.70	
ARIZONA	4,840	692	392	38	5.49	459	559	3,337	10	1.79	
CALIFORNIA	12,112	3,077	696	168	5.46	2,496	2,766	3,036	68	2.46	
COLORADO	16,246	1,367	231	75	5.49	35	25	1,957	8	32.00	
DELAWARE	164	69	1,153	2	2.90	21	4	522	0	0.00	
DIST. OF COL.	-	-	-	-	-	5	10	5,479	0	0.00	
HAWAII	231	220	2,609	11	5.00	-	-	-	-	-	
IDAHO	4,740	222	128	8	3.60	87	220	6,928	1	0.45	
ILLINOIS	5,062	1,931	1,045	55	2.85	65	5	211	0	0.00	
INDIANA	10,850	2,297	580	38	1.65	175	115	1,800	1	0.87	
IOWA	16,472	688	114	36	5.23	43	131	8,347	5	3.82	
KANSAS	9,430	268	78	7	2.61	65	33	1,391	0	0.00	
KENTUCKY	9,386	1,587	463	90	5.67	294	320	2,982	4	1.25	
MAINE	2,814	576	561	15	2.60	123	120	2,673	6	5.00	
MASSACHUSETTS	1,954	443	621	18	4.06	36	17	1,294	4	23.53	
MICHIGAN	7,828	1,534	537	201	13.10	232	156	1,842	6	3.85	
MINNESOTA	12,143	930	210	34	3.66	2,003	2,449	3,350	4	0.16	
MISSOURI	5,456	278	140	8	2.88	1,227	1,468	3,278	20	1.36	
MONTANA	11,191	300	73	10	3.33	240	311	3,550	8	2.57	
NEBRASKA	11,614	321	76	9	2.80	117	64	1,499	2	3.13	
NEVADA	2,418	136	154	5	3.68	-	-	-	-	-	
NEW JERSEY	1,294	1,084	2,295	31	2.86	162	128	2,165	7	5.47	
NEW MEXICO	3,214	288	246	24	8.33	95	30	865	5	16.67	
NEW YORK	11,002	4,169	1,038	115	2.76	255	276	2,965	5	1.81	
NORTH CAROLINA	9,477	2,585	747	159	6.15	377	474	3,445	2	0.42	
NORTH DAKOTA	8,131	207	70	10	4.83	1,055	657	1,706	10	1.52	
OHIO	7,539	1,840	669	74	4.02	21	14	1,826	2	14.29	
OREGON	9,380	1,037	303	13	1.25	-	-	-	-	-	
PENNSYLVANIA	9,196	2,364	704	87	3.68	180	128	1,948	6	4.69	
RHODE ISLAND	221	111	1,376	3	2.70	-	-	-	-	-	
SOUTH CAROLINA	4,107	499	333	20	4.01	-	-	-	-	-	
SOUTH DAKOTA	7,554	225	82	8	3.56	576	392	1,865	10	2.55	
TENNESSEE	6,743	829	337	21	2.53	60	74	3,379	1	1.35	
TEXAS	20,739	2,206	291	115	5.21	-	-	-	-	-	
UTAH	4,878	178	100	37	20.79	3,707	4,228	3,125	112	2.65	
VIRGINIA	2,359	360	418	13	3.61	295	256	2,378	2	0.78	
WASHINGTON	7,373	923	343	69	7.48	-	-	-	-	-	
WEST VIRGINIA	2,210	330	409	14	4.24	23	13	1,549	0	0.00	
WISCONSIN	6,698	968	396	19	1.96	7	9	3,523	0	0.00	
WYOMING	7,560	502	182	28	5.58	531	404	2,084	4	0.99	
SUBTOTAL	282,976	38,878	376	1,776	4.57	15,801	16,277	2,822	352	2.16	
INCOMPLETE DATA											
ARKANSAS											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
VERMONT											
λ FATALITIES PER 100 MILLION VEHICLE MILES.											

TABLE 5-G. FATALITIES BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	FATALITIES	
				NUMBER	RATE λ					NUMBER	RATE λ
COMPLETE DATA						COMPLETE DATA					
ALABAMA	48,782	2,724	153	260	9.54	ALABAMA	9,710	2,738	773	145	5.30
ALASKA	2,784	368	362	11	2.99	ALASKA	999	270	740	2	0.74
ARIZONA	55,065	1,613	80	62	3.84	ARIZONA	6,437	1,310	558	41	3.13
ARKANSAS	44,857	1,084	66	72	6.64	ARKANSAS	4,706	644	375	33	5.12
CALIFORNIA	76,850	4,234	151	210	4.96	CALIFORNIA	40,858	4,300	288	244	5.67
COLORADO	41,752	1,417	93	28	1.98	COLORADO	6,442	2,613	1,111	17	0.65
DELAWARE	2,759	347	345	15	4.32	DELAWARE	955	330	947	3	0.91
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	673	581	2,365	1	0.17
HAWAII	1,770	296	458	3	1.01	HAWAII	897	787	2,404	8	1.02
IDAHO	54,034	748	38	37	4.95	IDAHO	1,489	553	1,018	10	1.81
ILLINOIS	76,974	3,237	115	120	3.71	ILLINOIS	21,418	6,371	815	156	2.45
INDIANA	49,009	1,759	98	98	5.57	INDIANA	11,759	758	758	52	1.60
IOWA	65,466	1,505	63	54	3.59	IOWA	5,005	1,011	553	16	1.58
KANSAS	83,420	1,218	40	61	5.01	KANSAS	5,833	1,275	599	25	1.96
KENTUCKY	41,175	1,805	120	65	3.60	KENTUCKY	4,475	1,014	621	26	2.56
MAINE	12,000	657	150	25	3.81	MAINE	1,349	230	467	6	2.61
MASSACHUSETTS	8,068	461	157	71	15.40	MASSACHUSETTS	12,936	2,805	594	137	4.88
MICHIGAN	60,033	1,155	53	280	24.24	MICHIGAN	16,490	1,918	319	288	15.02
MINNESOTA	80,260	2,253	77	60	2.66	MINNESOTA	9,008	2,109	641	14	0.66
MISSOURI	73,985	2,082	77	71	3.41	MISSOURI	8,894	876	270	51	5.82
MONTANA	46,659	616	36	24	3.90	MONTANA	1,666	699	1,150	4	0.57
NEBRASKA	57,131	1,119	54	40	3.57	NEBRASKA	3,044	508	457	13	2.56
NEVADA	34,440	264	21	11	4.17	NEVADA	1,601	403	690	7	1.74
NEW JERSEY	7,386	752	279	38	5.05	NEW JERSEY	15,628	9,541	1,673	82	0.86
NEW MEXICO	37,856	747	54	48	6.43	NEW MEXICO	3,205	1,008	862	22	2.18
NEW YORK	48,676	5,121	288	126	2.46	NEW YORK	25,534	9,238	991	152	1.65
NORTH CAROLINA	51,365	2,999	160	222	7.40	NORTH CAROLINA	11,755	3,477	810	56	1.61
NORTH DAKOTA	59,894	707	32	15	2.12	NORTH DAKOTA	979	204	571	3	1.47
OHIO	56,892	6,168	297	171	2.77	OHIO	19,743	11,434	1,587	122	1.07
OREGON	102,836	1,353	36	28	2.07	OREGON	5,835	886	416	18	2.03
PENNSYLVANIA	61,416	5,485	245	118	2.15	PENNSYLVANIA	19,002	5,272	760	220	4.17
RHODE ISLAND	2,018	289	392	3	1.04	RHODE ISLAND	2,576	819	871	15	1.83
SOUTH CAROLINA	37,231	2,808	207	135	4.81	SOUTH CAROLINA	4,895	937	524	24	2.56
SOUTH DAKOTA	46,890	524	31	19	3.63	SOUTH DAKOTA	1,009	213	578	12	5.63
TENNESSEE	49,343	1,567	87	125	7.98	TENNESSEE	8,612	3,965	1,261	60	1.51
TEXAS	141,815	4,837	90	331	7.14	TEXAS	44,976	17,351	1,057	268	1.54
UTAH	28,563	578	55	3	0.52	UTAH	3,655	1,230	922	20	1.63
VIRGINIA	33,729	2,811	228	88	3.13	VIRGINIA	8,782	3,835	1,196	51	1.33
WEST VIRGINIA	20,477	873	117	18	2.06	WEST VIRGINIA	1,890	196	837	3	1.53
WISCONSIN	67,401	1,311	53	106	8.09	WISCONSIN	9,262	2,828	837	67	2.37
WYOMING	21,622	227	29	11	4.85	WYOMING	877	126	394	6	4.76
SUBTOTAL	1,892,683	69,919	101	3,283	4.70	SUBTOTAL	364,859	109,157	820	2,500	2.29
INCOMPLETE DATA						INCOMPLETE DATA					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
OKLAHOMA						OKLAHOMA					
VERMONT						VERMONT					
WASHINGTON						WASHINGTON					
λ FATALITIES PER 100 MILLION VEHICLE MILES.											

TABLE 6-A. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982

FEDERAL-AID INTERSTATE HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE PER MILE	NONFATAL INJURIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE PER MILE	NONFATAL INJURIES		
				NUMBER					RATE 1/	NUMBER	RATE 1/
COMPLETE DATA					COMPLETE DATA						
ALABAMA	642	2,724	11,625	684	25.11	182	1,980	29,806	872	44.04	
ALASKA	1,072	722	1,845	686	95.01	20	169	23,151	414	244.97	
ARIZONA	1,028	3,143	8,376	1,628	51.80	115	1,230	29,303	1,388	112.85	
ARKANSAS	425	2,132	3,744	656	30.77	115	1,079	25,706	1,117	66.45	
CALIFORNIA	1,459	9,046	16,987	3,982	44.02	804	28,650	97,628	14,371	50.16	
COLORADO	806	2,625	8,923	1,810	68.95	110	2,287	56,961	2,553	111.63	
DELAWARE	7	164	64,188	67	40.85	34	516	41,579	211	110.89	
DIST. OF COL.	-	-	-	-	-	12	360	82,192	398	110.56	
GEORGIA	931	6,813	20,049	2,558	37.55	232	5,402	63,793	1,926	35.65	
HAWAII	5	52	28,493	109	209.62	31	768	67,874	936	121.88	
IDAHO	551	1,139	5,663	708	62.16	52	270	14,226	198	73.33	
ILLINOIS	1,265	5,054	10,946	2,158	42.70	446	8,800	54,057	8,798	99.98	
INDIANA	855	5,209	16,691	1,543	29.62	259	3,684	38,970	953	25.87	
IOWA	612	2,202	9,858	698	31.70	124	832	18,383	632	75.96	
KANSAS	654	1,701	7,126	835	49.09	154	1,252	22,274	1,108	88.50	
KENTUCKY	596	3,655	16,802	1,067	29.19	141	2,150	41,776	1,089	50.65	
MAINE	282	938	5,113	474	50.53	31	219	19,355	193	88.13	
MASSACHUSETTS	172	1,370	21,822	288	21.02	380	6,864	49,488	1,202	17.51	
MICHIGAN	716	3,619	13,848	2,759	76.24	415	7,317	48,305	4,628	63.25	
MINNESOTA	696	2,062	8,117	364	17.65	177	2,823	43,696	2,120	75.10	
MISSOURI	833	3,733	12,278	1,031	27.62	286	5,114	48,989	2,922	57.14	
MONTANA	1,085	1,313	3,315	771	58.72	43	122	7,773	100	81.97	
NEBRASKA	446	1,418	8,711	426	30.04	35	467	36,556	428	91.65	
NEVADA	497	1,074	5,920	639	59.50	38	427	30,786	489	114.52	
NEW JERSEY	108	1,069	27,118	292	27.32	230	5,635	67,123	3,628	64.38	
NEW MEXICO	916	2,130	6,371	1,444	67.79	83	651	21,489	559	85.87	
NEW YORK	874	4,044	12,677	2,362	58.41	554	8,487	41,971	9,500	111.94	
NORTH CAROLINA	583	3,570	16,777	1,194	33.45	192	2,032	28,995	1,090	53.64	
NORTH DAKOTA	536	715	3,655	242	33.85	35	120	9,393	59	49.17	
OHIO	882	6,959	21,617	2,126	30.55	655	12,440	52,034	8,388	67.43	
OREGON	583	2,494	11,720	839	33.64	124	1,485	32,810	1,070	72.05	
PENNSYLVANIA	1,174	6,792	15,850	3,061	45.07	323	4,655	39,484	3,362	72.22	
SOUTH CAROLINA	677	3,158	12,780	498	15.77	79	985	34,160	316	32.08	
SOUTH DAKOTA	616	1,119	4,977	341	30.47	40	149	10,205	122	81.88	
TENNESSEE	833	5,582	18,359	1,218	21.82	196	3,323	46,450	2,088	62.83	
TEXAS	2,236	9,178	11,246	4,282	46.66	841	17,323	56,433	19,191	110.78	
UTAH	663	1,442	5,959	1,056	73.23	124	1,695	37,450	941	55.52	
VIRGINIA	805	4,688	15,955	1,646	35.11	213	4,042	51,990	2,221	54.95	
WASHINGTON	471	2,724	15,845	701	25.73	234	5,133	60,098	1,615	31.46	
WEST VIRGINIA	359	1,276	9,738	543	42.55	70	630	24,658	539	85.56	
WISCONSIN	466	2,870	16,873	792	27.60	111	1,763	43,515	1,242	70.45	
WYOMING	849	1,376	4,440	1,063	77.25	49	135	7,548	96	71.11	
SUBTOTAL	29,266	123,094	1,523	49,641	40.33	8,389	153,465	50,119	104,673	68.21	
INCOMPLETE DATA											
CONNECTICUT											
FLORIDA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
OKLAHOMA											
RHODE ISLAND											
VERMONT											
1/ NONFATAL INJURED PERSONS PER 100 MILLION VEHICLE MILES.											

TABLE 6-B. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982

OTHER FEDERAL-AID PRIMARY HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE PER MILE	NONFATAL INJURIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALABAMA	5,908	5,927	2,749	4,681	78.98	ALABAMA	699	2,652	10,394	3,732	140.72
ALASKA	1,532	573	1,025	480	83.77	ALASKA	16	84	14,384	3,275	327.38
ARIZONA	3,316	3,172	2,621	2,380	75.03	ARIZONA	166	1,143	18,864	4,529	396.24
CALIFORNIA	9,819	17,644	4,923	17,147	97.18	CALIFORNIA	1,381	28,027	55,602	18,902	67.44
COLORADO	3,993	4,037	2,770	3,752	92.94	COLORADO	322	4,837	41,155	16,114	126.40
DELAWARE	349	1,288	10,111	1,213	94.18	DELAWARE	75	573	20,932	1,396	243.63
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	158	1,373	23,808	4,127	300.58
HAWAII	402	913	6,222	1,458	159.69	HAWAII	110	1,170	29,141	2,413	206.24
IDAHO	2,575	1,580	1,681	2,072	131.14	IDAHO	39	144	10,116	418	290.28
ILLINOIS	7,901	8,245	2,859	10,791	130.88	ILLINOIS	1,822	10,010	15,052	34,135	341.01
INDIANA	4,190	7,018	4,589	11,402	162.47	INDIANA	795	3,933	13,554	1,191	30.28
IOWA	8,193	5,785	1,934	4,896	84.63	IOWA	677	2,071	8,381	6,542	315.89
KANSAS	7,767	4,729	1,668	4,105	86.80	KANSAS	338	1,320	10,700	3,099	234.77
KENTUCKY	3,294	4,565	3,797	5,905	129.35	KENTUCKY	429	2,424	15,480	4,252	175.41
MAINE	1,834	2,000	2,988	2,718	135.90	MAINE	159	587	10,115	1,865	317.72
MASSACHUSETTS	1,015	2,597	7,010	1,699	65.42	MASSACHUSETTS	1,214	7,936	17,910	7,194	90.65
MICHIGAN	4,684	8,059	4,714	17,480	216.90	MICHIGAN	1,246	9,924	21,821	5,058	50.97
MINNESOTA	8,842	6,947	2,153	5,071	73.00	MINNESOTA	472	2,371	13,762	4,234	178.57
MISSOURI	6,372	6,670	2,868	5,742	86.09	MISSOURI	565	3,460	16,778	4,298	124.22
MONTANA	5,390	2,126	1,081	2,612	122.86	MONTANA	106	418	10,804	790	189.00
NEBRASKA	6,999	3,580	1,401	2,926	81.73	NEBRASKA	262	1,098	11,482	3,657	333.06
NEVADA	1,787	946	1,450	1,110	117.34	NEVADA	58	338	15,966	156	46.15
NEW JERSEY	3,799	3,113	10,674	4,931	158.40	NEW JERSEY	641	8,321	35,565	16,913	203.26
NEW MEXICO	3,334	2,748	2,218	2,617	95.23	NEW MEXICO	174	656	10,487	3,567	535.59
NEW YORK	6,498	8,946	3,772	34,178	382.05	NEW YORK	1,864	17,381	25,547	36,716	211.24
NORTH DAKOTA	5,464	1,711	858	1,153	67.39	NORTH DAKOTA	128	400	8,562	1,029	257.25
OHIO	4,796	8,890	5,078	11,900	133.86	OHIO	1,530	5,994	10,733	25,176	420.02
OREGON	4,600	4,445	2,647	5,508	123.91	OREGON	358	2,203	16,859	4,974	225.78
PENNSYLVANIA	8,097	14,631	4,951	19,731	134.86	PENNSYLVANIA	1,833	11,819	17,665	21,222	179.56
SOUTH CAROLINA	5,074	6,516	3,518	4,244	65.13	SOUTH CAROLINA	412	2,703	17,974	5,133	189.90
SOUTH DAKOTA	5,738	2,356	1,125	1,502	63.75	SOUTH DAKOTA	113	421	10,207	1,145	271.97
TENNESSEE	5,082	6,484	3,496	6,669	102.85	TENNESSEE	803	4,029	13,746	8,084	200.65
TEXAS	15,067	19,148	3,482	14,924	77.94	TEXAS	1,570	12,682	22,131	22,784	179.66
UTAH	2,473	1,535	1,701	1,888	123.00	UTAH	103	454	12,076	602	132.60
VIRGINIA	4,953	8,280	4,580	8,946	108.04	VIRGINIA	443	3,292	20,359	5,032	152.86
WASHINGTON	4,447	5,284	3,255	2,234	42.28	WASHINGTON	530	3,702	19,137	2,056	55.54
WEST VIRGINIA	2,573	2,573	3,129	6,113	237.58	WEST VIRGINIA	180	755	11,492	2,076	274.97
WISCONSIN	7,978	8,982	3,085	8,205	91.35	WISCONSIN	967	4,589	13,002	8,463	184.42
WYOMING	2,888	1,448	1,374	1,276	88.12	WYOMING	92	365	10,870	766	209.86
SUBTOTAL	185,763	205,491	3,031	245,659	119.55	SUBTOTAL	22,850	165,669	19,864	284,115	171.50
INCOMPLETE DATA						INCOMPLETE DATA					
ARKANSAS						ARKANSAS					
CONNECTICUT						CONNECTICUT					
FLORIDA						FLORIDA					
GEORGIA						GEORGIA					
LOUISIANA						LOUISIANA					
MARYLAND						MARYLAND					
MISSISSIPPI						MISSISSIPPI					
NEW HAMPSHIRE						NEW HAMPSHIRE					
NORTH CAROLINA						NORTH CAROLINA					
OKLAHOMA						OKLAHOMA					
RHODE ISLAND						RHODE ISLAND					
VERMONT						VERMONT					
1/ NONFATAL INJURED PERSONS PER 100 MILLION VEHICLE MILES.											

TABLE 6-C. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982

FEDERAL-AID URBAN HIGHWAYS

STATE	ARTERIAL				STATE	COLLECTOR					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA					COMPLETE DATA						
ALASKA	81	447	15,119	1,650	369.13	29	77	7,274	247	320.78	
ARIZONA	1,162	4,299	10,136	19,880	462.43	525	911	4,718	1,867	204.94	
CALIFORNIA	11,425	53,716	12,881	120,357	224.06	4,271	5,371	3,445	10,937	203.63	
COLORADO	1,330	2,610	5,376	12,994	497.85	952	823	2,368	2,103	255.53	
DELAWARE	154	591	10,514	1,686	285.28	117	215	5,035	407	189.30	
DIST. OF COL.	107	641	16,413	2,734	426.52	136	321	6,467	1,847	575.39	
HAWAII	126	952	20,700	2,960	310.92	56	269	13,160	1,995	369.89	
IDAHO	268	959	9,804	2,430	253.39	304	494	4,452	627	126.92	
ILLINOIS	3,457	13,047	10,340	40,080	307.20	2,950	5,620	5,219	15,634	278.18	
INDIANA	2,952	6,625	6,149	11,218	169.33	1,802	1,511	2,297	6,481	428.92	
IOWA	1,313	2,264	4,724	4,105	181.32	905	624	1,889	844	135.26	
KANSAS	1,052	2,467	6,425	6,532	264.77	477	273	1,568	617	226.01	
KENTUCKY	1,032	3,362	8,925	8,098	240.87	727	1,087	4,096	2,196	202.02	
MAINE	342	787	6,305	863	109.66	308	233	2,073	443	190.13	
MASSACHUSETTS	3,322	9,948	8,204	15,772	158.54	2,483	2,449	2,702	5,403	220.62	
MICHIGAN	2,908	12,735	11,998	13,957	109.60	1,920	3,523	5,027	1,863	52.88	
MINNESOTA	1,488	4,700	8,654	10,073	214.32	554	439	2,171	953	217.08	
MISSOURI	2,428	6,197	6,993	5,387	86.93	1,249	1,245	2,731	65	5.22	
MONTANA	238	473	5,445	1,186	250.74	92	50	1,489	190	380.00	
NEBRASKA	612	1,530	6,849	5,623	367.52	347	348	2,748	1,161	333.62	
NEVADA	442	1,971	12,217	5,633	285.79	63	32	1,392	125	390.63	
NEW JERSEY	3,547	12,534	9,681	56,040	447.10	1,812	3,015	4,559	10,824	359.00	
NEW MEXICO	1,917	1,917	11,011	6,924	361.19	133	208	4,285	996	478.85	
NEW YORK	5,101	13,885	7,458	57,766	416.03	2,840	3,480	3,357	6,614	190.06	
NORTH DAKOTA	197	337	4,687	840	249.26	197	157	2,183	385	245.22	
OHIO	3,394	7,000	5,651	45,048	643.54	3,893	3,904	2,747	20,191	517.19	
OREGON	992	2,633	7,272	10,677	405.51	872	860	2,702	2,629	305.70	
PENNSYLVANIA	3,642	11,307	8,506	22,321	197.41	3,059	3,769	3,376	3,614	95.89	
SOUTH CAROLINA	611	1,450	6,502	2,466	170.07	194	230	3,248	381	165.65	
SOUTH DAKOTA	259	330	3,491	654	198.18	82	43	1,437	195	453.49	
TENNESSEE	1,234	4,096	9,094	11,259	274.88	1,091	1,262	3,169	2,859	226.55	
TEXAS	5,492	19,721	9,838	29,096	147.54	1,433	1,335	2,552	144	10.79	
UTAH	494	2,279	12,639	6,305	276.66	284	597	5,759	1,568	262.65	
VIRGINIA	1,898	7,603	10,975	19,306	253.93	977	1,253	3,514	3,240	258.58	
WASHINGTON	2,185	5,589	7,008	37,241	666.33	1,654	1,488	2,465	4,609	309.74	
WEST VIRGINIA	385	1,035	7,365	3,438	332.17	399	470	3,227	522	111.06	
WISCONSIN	1,948	4,392	6,177	4,531	103.16	815	632	2,125	1,059	167.56	
WYOMING	227	368	4,441	440	119.57	200	178	2,438	234	131.46	
SUBTOTAL	68,322	226,797	9,095	607,570	267.89	40,206	48,796	3,325	115,069	235.82	
INCOMPLETE DATA											
ALABAMA											
ARKANSAS											
CONNECTICUT											
FLORIDA											
GEORGIA											
LOUISIANA											
MARYLAND											
MISSISSIPPI											
NEW HAMPSHIRE											
NORTH CAROLINA											
OKLAHOMA											
RHODE ISLAND											
VERMONT											
λ NONFATAL INJURED PERSONS PER 100 MILLION VEHICLE MILES.											

**TABLE 6-D. NONFATAL INJURIES
BY STATE AND HIGHWAY SYSTEM - 1982
FEDERAL-AID SECONDARY HIGHWAYS**

STATE	COLLECTOR, RURAL				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/
COMPLETE DATA					
ALASKA	2,324	720	849	856	118.89
ARIZONA	3,136	1,559	1,359	1,667	107.20
CALIFORNIA	11,103	7,715	1,904	22,897	296.79
COLORADO	3,441	1,140	908	1,878	164.74
DELAWARE	630	489	2,127	653	133.54
DIST. OF COL.	-	-	-	-	-
HAWAII	434	301	1,900	685	227.57
IDAHO	4,250	1,738	1,120	1,410	81.13
ILLINOIS	12,856	3,287	700	5,496	167.20
INDIANA	9,093	3,536	1,065	3,466	98.02
IOWA	13,341	2,299	472	3,201	139.23
KANSAS	22,530	2,164	263	2,120	97.97
KENTUCKY	7,295	3,857	1,449	6,937	179.85
MAINE	2,742	1,290	1,289	1,750	135.66
MASSACHUSETTS	2,006	1,583	2,162	1,511	95.45
MICHIGAN	19,019	8,637	1,244	785	9.09
MINNESOTA	16,281	3,037	511	3,346	110.17
MISSOURI	18,090	4,660	706	5,571	119.55
MONTANA	4,717	423	246	618	146.10
NEBRASKA	11,411	1,046	251	1,331	127.25
NEVADA	2,332	662	778	1,010	152.57
NEW JERSEY	1,731	2,173	3,439	4,728	217.58
NEW MEXICO	3,945	1,085	754	1,793	165.25
NEW YORK	6,381	3,836	1,647	19,671	512.80
NORTH DAKOTA	10,455	675	177	563	83.41
OHIO	11,826	7,122	1,650	14,253	200.13
OREGON	7,709	1,622	576	3,003	185.14
PENNSYLVANIA	8,222	5,219	1,739	8,739	167.45
SOUTH CAROLINA	8,863	4,081	1,262	3,245	79.51
SOUTH DAKOTA	10,867	894	225	647	72.37
TENNESSEE	9,820	3,656	1,020	4,697	128.47
TEXAS	32,705	12,048	1,009	13,919	115.53
UTAH	2,556	635	681	917	144.41
VIRGINIA	10,360	4,759	1,259	7,985	167.79
WASHINGTON	7,081	2,501	968	1,038	41.50
WEST VIRGINIA	6,327	2,740	1,186	6,497	237.12
WISCONSIN	11,737	3,762	878	8,248	219.25
WYOMING	2,281	400	480	457	114.25
SUBTOTAL	319,897	107,347	919	167,588	156.12
INCOMPLETE DATA					
ALABAMA					
ARKANSAS					
CONNECTICUT					
FLORIDA					
GEORGIA					
LOUISIANA					
MARYLAND					
MISSISSIPPI					
NEW HAMPSHIRE					
NORTH CAROLINA					
OKLAHOMA					
RHODE ISLAND					
VERMONT					
1/ NONFATALLY INJURED PERSONS PER 100 MILLION VEHICLE MILES.					

TABLE 6-E. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID ARTERIAL HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE λ					NUMBER	RATE λ
COMPLETE DATA						COMPLETE DATA					
ALABAMA	-	-	-	-	-	ALABAMA	-	-	-	-	-
ALASKA	-	-	-	-	-	ALASKA	-	-	-	-	-
ARIZONA	15	17	3,105	17	-	ARIZONA	22	85	10,585	90	105.88
CALIFORNIA	31	73	6,452	250	100.00	CALIFORNIA	1,279	5,380	11,524	5,914	109.93
COLORADO	-	-	-	-	342.47	COLORADO	4	5	3,425	99	1,980.00
DELAWARE	-	-	-	-	-	DELAWARE	3	4	3,653	1	25.00
DIST. OF COL.	1	1	2,740	10	1,000.00	DIST. OF COL.	11	94	23,412	445	473.40
GEORGIA	-	-	-	-	-	GEORGIA	-	-	-	-	-
HAWAII	-	-	-	-	-	HAWAII	13	56	11,802	163	291.07
IDAHO	10	44	12,055	116	263.64	IDAHO	28	5	489	0	0.00
ILLINOIS	-	-	-	-	-	ILLINOIS	79	118	4,092	344	291.53
INDIANA	35	71	5,558	0	0.00	INDIANA	12	177	40,411	32	18.08
IOWA	-	-	-	-	-	IOWA	15	27	4,932	0	0.00
KANSAS	48	61	3,482	57	93.44	KANSAS	210	610	7,958	2,655	435.25
KENTUCKY	-	-	-	-	-	KENTUCKY	1	1	2,740	6	600.00
LOUISIANA	-	-	-	-	-	LOUISIANA	15	43	7,854	1,411	3,281.39
MAINE	-	-	-	-	-	MAINE	18	54	8,219	57	105.56
MASSACHUSETTS	41	72	4,811	49	68.06	MASSACHUSETTS	163	330	5,547	547	165.76
MICHIGAN	-	-	-	-	-	MICHIGAN	66	37	1,536	240	648.65
MINNESOTA	-	-	-	-	-	MINNESOTA	35	48	3,757	101	210.42
MISSOURI	-	-	-	-	-	MISSOURI	-	-	-	-	-
MONTANA	9	8	2,435	37	462.50	MONTANA	11	28	6,974	26	92.86
NEBRASKA	93	17	501	17	100.00	NEBRASKA	282	3,327	32,323	2,571	77.28
NEVADA	-	-	-	-	-	NEVADA	100	126	3,452	238	188.89
NEW JERSEY	1	4	10,959	8	200.00	NEW JERSEY	124	1,423	31,441	1,575	110.68
NEW MEXICO	139	1,208	23,810	784	64.90	NEW MEXICO	4	5	3,425	1	20.00
NEW YORK	-	-	-	-	-	NEW YORK	-	-	-	-	-
NORTH DAKOTA	-	-	-	-	-	OHIO	55	112	5,579	129	115.18
OHIO	-	-	-	-	-	PENNSYLVANIA	-	-	-	-	-
OREGON	210	126	1,644	195	154.76	PENNSYLVANIA	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	RHODE ISLAND	-	-	-	-	-
RHODE ISLAND	-	-	-	-	-	RHODE ISLAND	296	463	4,285	986	212.96
SOUTH CAROLINA	-	-	-	-	-	SOUTH CAROLINA	7	7	2,740	0	0.00
SOUTH DAKOTA	14	6	1,174	6	100.00	SOUTH DAKOTA	-	-	-	-	-
TENNESSEE	-	-	-	-	-	TENNESSEE	1,846	5,361	7,956	1,834	34.21
TEXAS	-	-	-	-	-	TEXAS	58	45	2,126	70	155.56
UTAH	1	1	2,740	3	300.00	UTAH	-	-	-	-	-
VERMONT	-	-	-	-	-	VERMONT	54	275	13,952	19	6.91
VIRGINIA	309	219	1,942	4	1.83	VIRGINIA	3	18	16,438	25	138.89
WASHINGTON	17	2	322	0	0.00	WEST VIRGINIA	145	293	5,536	353	120.48
WEST VIRGINIA	8	27	9,247	5	18.52	WISCONSIN	2	12	16,438	0	0.00
WISCONSIN	-	-	-	-	-	WYOMING	-	-	-	-	-
WYOMING	251	104	1,135	0	0.00	SUBTOTAL	4,961	18,569	10,255	19,932	107.34
SUBTOTAL	1,233	2,061	4,580	1,558	75.59	SUBTOTAL	-	-	-	-	-
INCOMPLETE DATA						INCOMPLETE DATA					
ARKANSAS	-	-	-	-	-	ARKANSAS	-	-	-	-	-
CONNECTICUT	-	-	-	-	-	CONNECTICUT	-	-	-	-	-
FLORIDA	-	-	-	-	-	FLORIDA	-	-	-	-	-
MARYLAND	-	-	-	-	-	LOUISIANA	-	-	-	-	-
MISSISSIPPI	-	-	-	-	-	MARYLAND	-	-	-	-	-
MISSOURI	-	-	-	-	-	MISSISSIPPI	-	-	-	-	-
NEW HAMPSHIRE	-	-	-	-	-	MISSOURI	-	-	-	-	-
NORTH CAROLINA	-	-	-	-	-	NEW HAMPSHIRE	-	-	-	-	-
OKLAHOMA	-	-	-	-	-	NORTH CAROLINA	-	-	-	-	-
						OKLAHOMA	-	-	-	-	-
						WASHINGTON	-	-	-	-	-
λ NONFATALLY INJURED PERSONS PER 100 MILLION VEHICLE MILES.											

TABLE 6-F. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982

NONFEDERAL-AID COLLECTOR HIGHWAYS

STATE	RURAL					STATE	URBAN				
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES			HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES	
				NUMBER	RATE 1/					NUMBER	RATE 1/
COMPLETE DATA						COMPLETE DATA					
ALASKA	1,001	245	671	267	108.98	ALASKA	27	27	2,740	83	307.41
ARIZONA	4,840	592	392	391	56.50	ARIZONA	459	559	3,337	1,515	271.02
CALIFORNIA	12,112	3,077	696	13,801	448.52	CALIFORNIA	2,496	2,766	3,036	6,154	222.49
COLORADO	16,246	1,367	231	2,965	216.90	COLORADO	35	25	1,957	133	532.00
DELAWARE	164	69	1,153	103	149.28	DELAWARE	21	4	522	43	1,075.00
DIST. OF COL.	-	-	-	-	-	DIST. OF COL.	5	10	5,479	57	570.00
HAWAII	231	220	2,609	279	126.82	GEORGIA	-	-	-	-	-
IDAHO	4,740	222	128	263	118.47	HAWAII	87	220	6,928	199	90.45
ILLINOIS	5,062	1,931	1,045	1,636	84.72	IDAHO	65	5	1,211	0	0.00
INDIANA	10,850	2,297	580	2,956	128.69	ILLINOIS	175	115	1,800	544	473.04
IOWA	16,472	688	114	1,152	167.44	INDIANA	43	131	8,347	66	50.38
KANSAS	9,430	268	78	231	86.19	IOWA	65	33	1,391	54	163.64
KENTUCKY	9,386	1,587	463	3,141	197.92	KANSAS	294	320	2,982	917	286.56
MAINE	2,814	576	561	1,121	194.62	KENTUCKY	123	120	2,673	333	277.50
MASSACHUSETTS	1,954	443	621	975	220.09	MAINE	36	17	1,294	305	1,794.12
MICHIGAN	7,828	1,534	537	12,861	838.40	MASSACHUSETTS	232	156	1,842	183	117.31
MINNESOTA	12,143	930	210	1,036	111.40	MICHIGAN	2,003	2,449	3,350	1,242	50.71
MISSOURI	5,456	278	140	338	121.58	MINNESOTA	1,227	1,468	3,278	3,435	233.99
MONTANA	11,191	300	73	582	194.00	MONTANA	117	64	1,499	83	129.69
NEBRASKA	11,614	321	76	614	191.28	NEBRASKA	-	-	-	-	-
NEVADA	2,418	136	154	148	108.82	NEVADA	162	128	2,165	734	573.44
NEW JERSEY	1,294	1,084	2,295	1,723	158.95	NEW JERSEY	95	30	865	209	696.87
NEW MEXICO	3,214	288	246	358	124.31	NEW MEXICO	255	276	2,965	720	260.87
NEW YORK	11,002	4,169	1,038	17,540	420.72	NEW YORK	377	474	3,445	589	124.26
NORTH DAKOTA	8,131	207	70	182	87.92	NORTH DAKOTA	21	14	1,826	54	385.71
OHIO	7,539	1,840	669	3,981	216.36	OHIO	-	-	-	-	-
OREGON	9,380	1,027	303	605	58.34	OREGON	180	128	1,948	413	322.66
PENNSYLVANIA	9,196	2,384	704	4,467	188.96	PENNSYLVANIA	-	-	-	-	-
SOUTH CAROLINA	4,107	499	333	329	65.93	RHODE ISLAND	-	-	-	-	-
SOUTH DAKOTA	7,554	225	82	167	74.22	RHODE ISLAND	576	392	1,865	577	147.19
TENNESSEE	6,743	829	337	434	52.35	SOUTH CAROLINA	60	74	3,379	0	0.00
TEXAS	20,739	2,206	291	1,896	85.95	SOUTH DAKOTA	-	-	-	-	-
UTAH	4,878	178	100	1,045	587.08	TENNESSEE	3,707	4,228	3,125	61	1.44
VIRGINIA	2,359	360	418	764	212.22	TEXAS	295	256	2,378	479	187.11
WASHINGTON	7,373	923	343	489	52.98	UTAH	-	-	-	-	-
WEST VIRGINIA	2,210	330	409	580	175.76	VERMONT	23	13	1,549	33	253.85
WISCONSIN	6,698	968	396	557	57.54	VIRGINIA	7	9	3,523	37	411.11
WYOMING	7,560	502	182	285	56.77	WEST VIRGINIA	531	404	2,084	706	174.75
SUBTOTAL	265,925	35,190	363	80,262	228.08	WISCONSIN	47	40	2,332	1	2.50
INCOMPLETE DATA						WYOMING	13,846	14,955	2,959	19,959	133.46
ALABAMA						SUBTOTAL					
ARKANSAS						INCOMPLETE DATA					
CONNECTICUT						ALABAMA					
FLORIDA						ARKANSAS					
GEORGIA						CONNECTICUT					
LOUISIANA						FLORIDA					
MARYLAND						LOUISIANA					
MISSISSIPPI						MARYLAND					
NEW HAMPSHIRE						MISSISSIPPI					
NORTH CAROLINA						MISSOURI					
OKLAHOMA						NEW HAMPSHIRE					
RHODE ISLAND						NORTH CAROLINA					
VERMONT						OKLAHOMA					

1/ NONFATAL INJURED PERSONS PER 100 MILLION VEHICLE MILES.

TABLE 6-6. NONFATAL INJURIES BY STATE AND HIGHWAY SYSTEM - 1982
NONFEDERAL-AID LOCAL HIGHWAYS

STATE	RURAL				STATE	URBAN					
	HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES		HIGHWAY MILES	VEHICLE MILES (MILLIONS)	DAILY VEHICLE MILES PER MILE	NONFATAL INJURIES		
				NUMBER					RATE λ	NUMBER	RATE λ
COMPLETE DATA											
ALABAMA	48,782	2,724	153	5,611	205.98	9,710	2,738	773	13,959	509.82	
ALASKA	2,784	368	362	1,007	273.64	999	270	740	83	30.74	
ARIZONA	55,065	1,613	80	5,079	314.88	6,437	1,310	558	5,347	408.17	
ARKANSAS	44,857	1,084	66	2,185	201.57	4,706	644	375	7,556	1,173.29	
CALIFORNIA	76,850	4,234	151	17,243	407.25	40,858	4,300	288	22,118	514.37	
COLORADO	41,752	1,417	93	1,798	126.89	6,442	2,613	1,111	2,729	104.44	
DELAWARE	2,759	347	345	597	172.05	955	330	947	802	243.03	
DIST. OF COL.	-	-	-	-	-	673	581	2,365	3,911	673.15	
HAWAII	1,770	296	458	146	49.32	897	787	2,404	1,611	204.70	
IDAHO	54,034	748	38	1,771	236.76	1,489	553	1,018	1,109	200.54	
ILLINOIS	76,974	3,237	115	6,137	189.59	21,418	6,371	815	30,510	478.89	
INDIANA	49,009	1,759	98	7,581	430.98	11,759	3,252	758	14,396	442.68	
IOWA	65,466	1,505	63	1,728	114.82	5,005	1,011	553	2,053	203.07	
KANSAS	83,420	1,218	40	3,460	284.07	5,833	1,275	599	4,163	326.51	
KENTUCKY	41,175	1,805	120	3,973	220.11	4,475	1,014	621	3,545	349.61	
MAINE	12,000	657	150	2,355	358.45	1,349	230	467	506	220.00	
MASSACHUSETTS	8,068	461	157	2,621	568.55	12,936	2,805	594	9,813	349.84	
MICHIGAN	60,033	1,155	53	19,291	1,670.22	16,490	1,918	319	49,590	2,585.51	
MINNESOTA	80,260	2,253	77	1,096	48.65	9,008	2,109	641	3,882	184.07	
MONTANA	46,659	616	36	2,021	328.08	1,656	699	1,150	245	35.05	
NEBRASKA	57,131	1,119	54	2,286	204.29	3,044	508	457	1,388	273.23	
NEVADA	34,440	264	21	226	85.61	1,601	403	690	1,083	268.73	
NEW JERSEY	7,386	752	279	2,963	394.02	15,628	9,541	1,673	15,907	166.72	
NEW MEXICO	37,856	747	54	1,498	200.54	3,205	1,008	862	2,539	251.88	
NEW YORK	48,676	5,121	288	30,051	586.82	25,534	9,238	991	36,397	393.99	
NORTH DAKOTA	59,894	707	32	696	98.44	975	204	571	596	292.16	
OHIO	56,892	6,168	297	11,555	187.34	19,743	11,434	1,587	22,090	193.20	
OREGON	102,836	1,353	36	1,145	84.63	5,835	886	416	3,433	387.47	
PENNSYLVANIA	61,416	5,485	245	8,521	155.35	19,002	5,272	760	29,934	567.79	
SOUTH CAROLINA	37,231	2,808	207	2,553	90.92	4,895	937	524	2,291	244.50	
SOUTH DAKOTA	46,690	524	31	785	149.81	1,009	213	578	610	286.38	
TENNESSEE	49,343	1,567	87	4,316	275.43	8,612	3,965	1,261	7,632	192.48	
TEXAS	141,815	4,637	90	14,378	310.07	44,976	17,351	1,057	82,157	473.50	
UTAH	28,563	578	55	212	36.68	3,655	1,230	922	2,605	211.79	
VIRGINIA	33,729	2,811	228	4,133	147.03	8,782	3,835	1,196	5,959	155.38	
WEST VIRGINIA	20,477	872	117	1,495	171.25	9,250	1,96	284	525	128.57	
WISCONSIN	67,401	1,311	53	5,617	428.45	9,262	2,828	837	13,057	461.70	
WYOMING	21,622	227	29	608	267.84	877	126	394	610	484.13	
SUBTOTAL	1,765,315	64,549	100	178,738	276.90	341,634	103,985	834	406,468	390.89	
INCOMPLETE DATA											
CONNECTICUT	-	-	-	-	-	-	-	-	-	-	
FLORIDA	-	-	-	-	-	-	-	-	-	-	
GEORGIA	-	-	-	-	-	-	-	-	-	-	
LOUISIANA	-	-	-	-	-	-	-	-	-	-	
MARYLAND	-	-	-	-	-	-	-	-	-	-	
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	
MISSOURI	-	-	-	-	-	-	-	-	-	-	
NEW HAMPSHIRE	-	-	-	-	-	-	-	-	-	-	
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	
RHODE ISLAND	-	-	-	-	-	-	-	-	-	-	
VERMONT	-	-	-	-	-	-	-	-	-	-	
WASHINGTON	-	-	-	-	-	-	-	-	-	-	
λ NONFATAL INJURED PERSONS PER 100 MILLION VEHICLE MILES.											

SECTION III—OTHER RATES

A. Highway Mileage

Vehicle mileage rates for the United States, listed in Table 1, are the most common measure of safety performance. For some purposes, rates per mile of highway may be more useful. These are listed in Table 7. Note that, because of the concentration of travel on highway systems with the fewest fatalities per vehicle-mile, highways on these systems tend to have the highest number of fatalities per highway mile.

B. Population

Population rates are most useful for comparing motor vehicle accidents with other public health problems. In 1978, only heart disease, cancer, stroke, and pneumonia were responsible for more deaths, according to the National Center for Health Statistics. State rates per thousand residents are listed in Table 8 for fatal and nonfatal injury accidents, fatalities, and nonfatally injured persons.

C. Licensed Drivers

The number of accidents per licensed driver reflects both the care with which drivers operate their vehicles and the amount of travel under various conditions. State accident, fatality, and injury rates per licensed driver are listed in Table 9.

D. Registered Vehicles

As is the case with licensed drivers, the number of accidents per registered vehicle is affected both by the care with which the vehicle is driven and the amount of travel under various conditions. State rates per registered vehicle are listed in Table 10.

TABLE 7. U.S. HIGHWAY-MILE RATES BY HIGHWAY SYSTEM - 1982

HIGHWAY SYSTEM	HIGHWAY MILES ^{2/}	VEHICLE MILES (MILLIONS) ^{2/}	DAILY VEHICLE MILES PER MILE	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS ^{4/}		FATALITIES		NONFATAL INJURED PERSONS ^{4/}	
				NUMBER	RATE ^{3/}	NUMBER	RATE ^{3/}	NUMBER	RATE ^{3/}	NUMBER	RATE ^{3/}
INTERSTATE (ARTERIAL)											
RURAL	32,979	142,186	11,848	1,861	56.60	36,140	1,099.2	2,175	66.15	55,191	1,769.9
URBAN	9,591	175,459	50,173	1,704	177.85	81,180	8,473.0	1,878	196.01	121,450	12,676.1
TOTAL	42,460	317,645	20,496	3,565	83.96	117,320	2,763.1	4,053	95.45	179,641	4,230.8
OTHER FEDERAL-AID PRIMARY (ARTERIAL)											
RURAL	226,111	256,296	3,226	8,632	38.18	193,049	853.8	10,236	45.27	323,062	1,428.8
URBAN	29,648	204,777	18,923	3,497	117.95	232,351	7,837.0	3,862	130.26	355,383	12,020.5
TOTAL	255,759	471,073	5,045	12,129	47.42	425,400	1,663.3	14,098	55.12	679,445	2,556.6
FEDERAL-AID URBAN ARTERIAL COLLECTOR											
RURAL	82,053	276,674	9,238	6,677	81.37	502,987	6,130.0	7,391	90.08	752,137	9,166.5
URBAN	51,447	64,214	3,419	1,142	22.20	108,806	2,114.9	1,217	23.66	153,667	2,986.9
TOTAL	133,500	340,888	6,995	7,819	58.57	611,793	4,582.7	8,608	64.48	905,804	6,785.0
FEDERAL-AID SECONDARY (COLLECTOR)											
RURAL	401,999	145,172	989	5,566	13.85	143,728	357.5	6,291	15.65	229,993	572.1
URBAN											
TOTAL											
NON-FEDERAL-AID ARTERIAL											
RURAL	3,786	3,762	2,722	65	17.17	1,460	385.6	83	21.92	2,886	762.3
URBAN	8,088	24,200	8,197	720	89.02	17,269	2,197.0	755	94.58	25,360	3,259.1
TOTAL	11,874	27,962	6,451	785	66.11	19,229	1,619.4	848	71.42	29,246	2,463.0
NON-FEDERAL-AID COLLECTOR											
RURAL	336,525	49,858	405	2,075	6.17	79,448	236.1	2,324	6.91	115,397	342.9
URBAN	18,115	20,099	3,039	401	22.14	18,783	1,036.9	443	24.45	27,220	1,502.6
TOTAL	354,640	69,957	540	2,476	6.98	98,231	277.0	2,767	7.80	142,617	402.1
NON-FEDERAL-AID LOCAL											
RURAL	2,224,440	83,411	102	3,633	1.63	163,118	73.3	3,997	1.80	234,379	105.4
URBAN	441,624	136,373	846	3,026	6.85	389,776	882.6	3,184	7.21	540,947	1,224.9
TOTAL	2,666,064	219,784	225	6,659	2.50	552,894	207.4	7,181	2.69	775,326	290.8
ALL FEDERAL-AID											
RURAL	660,989	553,654	2,294	16,059	24.30	372,917	564.2	18,702	28.29	611,246	924.7
URBAN	172,729	721,124	11,438	13,020	75.38	925,324	5,357.1	14,348	83.07	1,383,637	8,010.4
TOTAL	833,718	1,274,778	4,189	29,079	34.88	1,298,241	1,557.2	33,050	39.64	1,994,883	2,392.8
ALL NON-FEDERAL-AID											
RURAL	2,564,751	137,031	146	5,773	2.25	244,026	95.1	6,404	2.50	352,662	137.5
URBAN	467,827	180,672	1,058	4,147	8.86	426,328	911.3	4,332	9.39	595,527	1,270.8
TOTAL	3,032,578	317,703	287	9,920	3.27	670,354	221.1	10,736	3.56	947,189	312.3
NON-INTERSTATE											
RURAL	3,192,861	548,499	470	19,971	6.25	580,903	181.9	22,931	7.18	905,717	283.7
URBAN	630,975	726,337	3,153	15,463	24.51	1,270,472	2,013.5	16,862	26.72	1,856,714	2,942.6
TOTAL	3,823,836	1,274,836	913	35,434	9.27	1,851,275	484.1	39,793	10.41	2,762,431	722.4
TOTAL											
RURAL	3,225,740	690,685	586	21,832	6.77	616,943	191.3	25,106	7.78	963,908	298.8
URBAN	640,556	901,796	3,857	17,167	26.80	1,351,652	2,110.1	18,740	29.26	1,978,164	3,088.2
TOTAL	3,866,296	1,592,481	1,126	38,999	10.09	1,968,595	509.2	43,846	11.34	2,942,072	761.0

^{1/} U.S. ESTIMATES EXCLUDE THE COMMONWEALTH OF PUERTO RICO AND THE TERRITORIES OF AMERICAN SAMOA, GUAM, AND VIRGIN ISLANDS. ESTIMATES FOR FATAL ACCIDENTS, FATALITIES, NONFATAL INJURY ACCIDENTS AND NONFATAL INJURED PERSONS ARE BASED ON THE PARTIAL DATA REPORTED BY STATES WHICH ARE DISPLAYED IN THE FOLLOWING TABLES. TOGETHER WITH TOTALS REPORTED BY MOST STATES.

^{2/} MILEAGE AND TRAVEL DATA ARE FROM THE HIGHWAY PERFORMANCE MONITORING SYSTEM (HPMS) FOR 1982. FEDERAL-AID HIGHWAY MILEAGE IS FROM HPMS UNIVERSE DATA AS OF SEPTEMBER 30, 1983 AND VEHICLE-MILES

OF TRAVEL ARE FROM THE HPMS AREAVIDE SUMMARY TABLES AS OF SEPTEMBER 30, 1983. FEDERAL HIGHWAY ADMINISTRATION ESTIMATES WERE MADE FOR MAJOR HIGHWAY CATEGORIES WHERE COMPLETE FUNCTIONAL OR FEDERAL-AID SYSTEM DATA WERE NOT REPORTED.

^{3/} RATES ARE PER 1000 HIGHWAY MILES.

^{4/} TOTALS OF NON-FATAL INJURY ACCIDENTS AND NON-FATAL INJURED PERSONS WERE ESTIMATED BY FHWA FOR ALASKA, CONNECTICUT, FLORIDA, LOUISIANA, MARYLAND, MISSISSIPPI, NEW HAMPSHIRE, RHODE ISLAND, VERMONT, AND FOR THE NON-STATE MILEAGE OF MISSOURI.

**TABLE 8. FATAL AND INJURY ACCIDENT DATA
RELATED TO POPULATION - 1982**

STATE	POPULATION		RATES PER THOUSAND PERSONS			
	NUMBER (THOUSANDS)	VEHICLE MILES PER CAPITA	FATAL ACCIDENT RATE	FATALITY RATE	INJURY ACCIDENT RATE	INJURY RATE
ALABAMA	3,943	7,232	0.19	0.21	5.73	8.22
ALASKA	438	8,452	0.21	0.24	9.34	13.81
ARIZONA	2,860	6,898	0.22	0.25	10.13	16.01
ARKANSAS	2,291	7,259	0.21	0.24	6.99	10.91
CALIFORNIA	24,724	6,876	0.17	0.19	7.48	11.09
COLORADO	3,045	7,811	0.20	0.22	8.70	12.78
CONNECTICUT	3,153	6,387	0.15	0.16	1/ 0.00	1/ 0.00
DELAWARE	602	7,626	0.19	0.20	7.88	11.94
DIST. OF COL.	631	5,357	0.06	0.06	14.46	21.42
FLORIDA	10,416	7,632	0.22	0.24	1/ 0.00	1/ 0.00
GEORGIA	5,639	8,642	0.19	0.22	7.21	10.73
HAWAII	994	6,085	0.14	0.16	8.56	12.14
HAWAII	965	8,142	0.22	0.26	7.36	11.41
ILLINOIS	11,448	5,751	0.13	0.14	9.14	13.65
INDIANA	5,471	7,166	0.15	0.17	7.68	11.20
IOWA	2,905	6,658	0.15	0.17	6.17	8.92
KANSAS	2,408	7,333	0.18	0.21	8.24	12.42
KENTUCKY	3,667	6,989	0.20	0.22	7.35	11.06
LOUISIANA	4,362	6,167	0.22	0.25	1/ 0.00	1/ 0.00
MAINE	1,133	6,751	0.13	0.15	8.55	12.40
MARYLAND	4,265	6,781	0.13	0.15	1/ 0.00	1/ 0.00
MASSACHUSETTS	5,781	6,343	0.11	0.11	5.97	8.08
MICHIGAN	9,109	6,719	0.14	0.15	5.59	14.28
MINNESOTA	4,133	7,059	0.12	0.14	5.94	8.67
MISSISSIPPI	2,551	6,721	0.24	0.29	1/ 0.00	1/ 0.00
MISSOURI	4,951	7,070	0.16	0.18	1/ 0.00	1/ 0.00
MONTANA	801	8,326	0.27	0.32	7.65	11.63
NEBRASKA	1,586	7,210	0.14	0.16	8.37	12.51
NEVADA	881	7,279	0.28	0.32	8.56	12.93
NEW HAMPSHIRE	951	7,330	0.16	0.18	1/ 0.00	1/ 0.00
NEW JERSEY	7,438	6,965	0.13	0.15	11.01	16.34
NEW MEXICO	1,359	8,720	0.36	0.42	10.94	17.11
NEW YORK	17,659	4,558	0.11	0.12	9.67	14.32
NORTH CAROLINA	6,019	7,161	0.19	0.22	8.82	13.93
NORTH DAKOTA	670	7,839	0.19	0.22	5.77	8.66
OHIO	10,791	6,649	0.13	0.15	9.70	15.26
OKLAHOMA	3,177	9,446	0.29	0.34	7.57	11.25
OREGON	2,649	7,317	0.18	0.20	8.04	13.07
PENNSYLVANIA	11,865	6,010	0.14	0.15	7.05	10.53
RHODE ISLAND	958	6,167	0.10	0.11	1/ 0.00	1/ 0.00
SOUTH CAROLINA	3,203	7,562	0.21	0.23	4.90	7.19
SOUTH DAKOTA	691	9,205	0.19	0.21	6.07	8.93
TENNESSEE	4,651	7,481	0.20	0.23	7.34	10.59
TEXAS	15,280	8,195	0.24	0.28	8.89	13.39
UTAH	1,554	7,030	0.17	0.19	7.42	11.38
VERMONT	516	7,738	0.18	0.21	1/ 0.00	1/ 0.00
VIRGINIA	5,491	7,545	0.14	0.16	7.36	10.80
WASHINGTON	4,245	7,363	0.16	0.18	9.18	12.21
WEST VIRGINIA	1,948	5,612	0.21	0.24	8.31	13.27
WISCONSIN	4,765	6,882	0.14	0.16	7.64	11.09
WYOMING	502	520	0.34	0.40	7.59	11.63
U.S. TOTAL	231,535	6,878	0.17	0.19	7.10	10.59

1/ RATE COULD NOT BE COMPUTED BECAUSE DATA WAS NOT REPORTED OR WAS NOT USABLE.

**TABLE 9. FATAL AND INJURY ACCIDENT DATA
RELATED TO LICENSED DRIVERS - 1982**

STATE	LICENSED DRIVERS		RATES PER THOUSAND DRIVERS			
	NUMBER (THOUSANDS)	VEHICLE MILES PER DRIVER	FATAL ACCIDENT RATE	FATALITY RATE	INJURY ACCIDENT RATE	INJURY RATE
ALABAMA	2,316	12,313	0.32	0.36	9.75	13.99
ALASKA	321	11,533	0.29	0.32	12.74	18.84
ARIZONA	2,086	9,458	0.30	0.35	13.89	21.95
ARKANSAS	1,591	10,453	0.30	0.34	10.06	15.72
CALIFORNIA	16,299	10,430	0.25	0.28	11.35	16.82
COLORADO	2,182	10,901	0.27	0.31	12.14	17.84
CONNECTICUT	2,235	9,010	0.21	0.23	1/ 0.00	1/ 0.00
DELAWARE	433	10,603	0.27	0.28	10.95	16.60
DIST. OF COL.	385	8,779	0.09	0.09	23.71	35.11
FLORIDA	7,979	9,963	0.29	0.31	1/ 0.00	1/ 0.00
GEORGIA	3,605	13,518	0.30	0.34	11.27	16.78
HAWAII	561	10,781	0.26	0.28	15.17	21.52
IDAHO	663	11,851	0.32	0.38	10.72	16.60
ILLINOIS	6,965	9,452	0.21	0.24	15.03	22.44
INDIANA	3,345	11,720	0.25	0.29	12.55	18.32
IOWA	1,927	10,037	0.22	0.25	9.31	13.44
KANSAS	1,694	10,424	0.26	0.29	11.71	17.65
KENTUCKY	2,141	11,970	0.34	0.38	12.59	18.94
LOUISIANA	2,540	10,591	0.38	0.43	1/ 0.00	1/ 0.00
MAINE	757	10,104	0.20	0.22	12.80	18.56
MARYLAND	2,741	10,551	0.21	0.23	1/ 0.00	1/ 0.00
MASSACHUSETTS	3,641	10,070	0.17	0.18	9.48	12.83
MICHIGAN	6,390	9,577	0.20	0.22	13.68	20.35
MINNESOTA	2,397	12,172	0.21	0.24	10.25	14.96
MISSISSIPPI	1,734	9,888	0.36	0.42	1/ 0.00	1/ 0.00
MISSOURI	3,297	10,617	0.24	0.27	1/ 0.00	1/ 0.00
MONTANA	492	13,555	0.44	0.52	12.45	18.93
NEBRASKA	1,084	10,549	0.21	0.24	12.25	18.30
NEVADA	655	9,791	0.38	0.43	11.51	17.38
NEW HAMPSHIRE	677	10,297	0.23	0.26	1/ 0.00	1/ 0.00
NEW JERSEY	5,338	9,704	0.19	0.20	15.35	22.76
NEW MEXICO	943	12,566	0.52	0.61	15.76	24.66
NEW YORK	8,992	8,951	0.22	0.24	18.98	28.13
NORTH CAROLINA	3,903	11,043	0.30	0.33	13.60	21.49
NORTH DAKOTA	428	12,271	0.30	0.35	9.04	13.55
OHIO	7,669	9,356	0.19	0.21	13.65	21.48
OKLAHOMA	2,039	14,718	0.45	0.52	11.79	17.53
OREGON	1,894	10,234	0.24	0.27	11.25	18.28
PENNSYLVANIA	7,351	9,701	0.22	0.25	11.38	17.00
RHODE ISLAND	600	9,847	0.16	0.18	1/ 0.00	1/ 0.00
SOUTH CAROLINA	1,959	12,364	0.34	0.37	8.01	11.75
SOUTH DAKOTA	486	13,088	0.27	0.30	8.63	12.70
TENNESSEE	2,902	11,989	0.33	0.36	11.76	16.97
TEXAS	10,154	12,332	0.36	0.41	13.38	20.16
UTAH	914	11,953	0.29	0.32	12.61	19.36
VERMONT	355	11,248	0.26	0.30	1/ 0.00	1/ 0.00
VIRGINIA	3,625	11,429	0.22	0.24	11.14	16.36
WASHINGTON	2,774	11,268	0.24	0.27	14.06	18.69
WEST VIRGINIA	1,411	7,748	0.29	0.33	11.47	18.32
WISCONSIN	3,036	10,802	0.22	0.25	12.00	17.40
WYOMING	398	13,269	0.43	0.51	9.58	14.66
U.S. TOTAL	150,309	10,595	0.26	0.29	10.93	16.31

1/ RATE COULD NOT BE COMPUTED BECAUSE DATA WAS NOT REPORTED OR WAS NOT USABLE.

**TABLE 10. FATAL AND INJURY ACCIDENT DATA
RELATED TO VEHICLE REGISTRATIONS - 1982**

STATE	REGISTERED VEHICLES		RATES PER THOUSAND VEHICLES			
	NUMBER (THOUSANDS)	VEHICLE MILES PER VEHICLE	FATAL ACCIDENT RATE	FATALITY RATE	INJURY ACCIDENT RATE	INJURY RATE
ALABAMA	3,039	9,383	0.24	0.28	7.43	10.66
ALASKA	319	11,605	0.29	0.32	12.82	18.96
ARIZONA	2,216	8,903	0.29	0.33	13.07	20.66
ARKANSAS	1,481	11,229	0.32	0.37	10.81	16.88
CALIFORNIA	17,130	9,924	0.24	0.27	10.80	16.00
COLORADO	2,502	9,507	0.24	0.27	10.59	15.56
CONNECTICUT	2,258	8,919	0.21	0.23	1/ 0.00	1/ 0.00
DELAWARE	415	11,063	0.28	0.29	11.43	17.32
DIST. OF COL.	231	14,632	0.15	0.16	39.51	58.52
FLORIDA	8,335	9,538	0.27	0.30	1/ 0.00	1/ 0.00
GEORGIA	3,916	12,444	0.28	0.31	10.38	15.45
HAWAII	586	10,321	0.25	0.27	14.53	20.60
IDAHO	873	9,000	0.24	0.29	8.14	12.61
ILLINOIS	7,242	9,091	0.20	0.23	14.46	21.58
INDIANA	3,884	10,093	0.22	0.25	10.81	15.78
IOWA	2,346	8,244	0.18	0.20	7.64	11.04
KANSAS	2,061	8,568	0.21	0.24	9.63	14.51
KENTUCKY	2,615	9,800	0.28	0.31	10.31	15.50
LOUISIANA	2,800	9,608	0.34	0.39	1/ 0.00	1/ 0.00
MAINE	743	10,295	0.20	0.23	13.04	18.91
MARYLAND	2,893	9,997	0.20	0.22	1/ 0.00	1/ 0.00
MASSACHUSETTS	3,750	9,778	0.16	0.17	9.20	12.46
MICHIGAN	6,250	9,792	0.20	0.22	13.98	20.81
MINNESOTA	3,278	8,901	0.15	0.17	7.49	10.94
MISSISSIPPI	1,593	10,763	0.39	0.46	1/ 0.00	1/ 0.00
MISSOURI	3,412	10,259	0.23	0.26	1/ 0.00	1/ 0.00
MONTANA	758	8,798	0.28	0.34	8.08	12.29
NEBRASKA	1,215	9,412	0.19	0.21	10.93	16.33
NEVADA	710	9,032	0.35	0.39	10.62	16.04
NEW HAMPSHIRE	774	9,006	0.20	0.22	1/ 0.00	1/ 0.00
NEW JERSEY	4,917	10,535	0.20	0.22	16.66	24.71
NEW MEXICO	1,193	9,933	0.41	0.48	12.46	19.49
NEW YORK	8,235	9,773	0.24	0.26	20.73	30.72
NORTH CAROLINA	4,583	9,404	0.26	0.28	11.58	18.30
NORTH DAKOTA	653	8,043	0.20	0.23	5.92	8.88
OHIO	7,636	9,396	0.19	0.21	13.71	21.57
OKLAHOMA	2,780	10,795	0.33	0.38	8.65	12.86
OREGON	2,075	9,342	0.22	0.25	10.26	16.68
PENNSYLVANIA	6,725	10,604	0.24	0.27	12.44	18.58
RHODE ISLAND	586	10,082	0.17	0.18	1/ 0.00	1/ 0.00
SOUTH CAROLINA	1,975	12,264	0.34	0.37	7.94	11.66
SOUTH DAKOTA	615	10,343	0.21	0.24	6.82	10.04
TENNESSEE	3,381	10,291	0.28	0.31	10.10	14.57
TEXAS	11,388	10,996	0.32	0.37	11.93	17.97
UTAH	1,038	10,525	0.25	0.29	11.10	17.04
VERMONT	351	11,376	0.26	0.30	1/ 0.00	1/ 0.00
VIRGINIA	3,705	11,182	0.21	0.24	10.90	16.00
WASHINGTON	3,237	9,656	0.21	0.23	12.05	16.01
WEST VIRGINIA	1,142	9,573	0.36	0.41	14.17	22.64
WISCONSIN	3,162	10,371	0.21	0.24	11.52	16.71
WYOMING	508	10,396	0.34	0.40	7.50	11.49
U.S. TOTAL	159,509	9,984	0.24	0.27	10.30	15.37

1/ RATE COULD NOT BE COMPUTED BECAUSE DATA WAS NOT REPORTED OR WAS NOT USABLE.

SECTION IV—PUERTO RICO AND U.S. TERRITORIES

Travel and accident data reported by Puerto Rico for calendar year 1982 contain unresolved errors. Data were not reported for 1982 by U.S. territories.

SECTION V—RELATIONSHIP OF FATALITY RATES TO TRAVEL DENSITY

The vehicle-mile fatality rate is the measure most commonly used for comparing the safety of different highway systems or the safety of highways in different States. A State often judges its own performance by comparing its fatality rates with the national fatality rate. The primary reason for differences in fatality rates appears to be variation in travel density over which the States have little control. Because the travel density varies widely among the States it should not be expected that all States will have similar fatality rates. While there are without question many reasons other than variation in travel density for differences among the fatality rates of the States, it is difficult to quantify these reasons well enough to develop reliable definitions of relationships between fatality rates and specific features.

The general characteristics of the relationship between fatality rates and travel density were described in Section I. Curves illustrating provisional rate-density relationships have been derived from reported data for the 4-year period from 1978 through 1981. The relationships must be regarded as provisional because they are based on data which are incomplete and known to contain errors. Despite their flaws, the curves provide a more suitable base than the national fatality rate for evaluating State rates. A curve describing the provisional rate-density relationship for all highways in the States is shown in Figure 7-A1.

In comparing State fatality rates a second consideration should be taken into account. Even if the risk (probability) of traffic fatalities were dependent only on travel density, rates would vary at random from those on the rate-density curve. (Accidents and related rates are "random" in a statistical sense—while any attempt to drive a vehicle a given distance may or may not result in an accident, there is nonetheless a degree of statistical regularity which permits reasonably reliable estimation of the number of accidents expected from a large number of attempts. To speak of accidents as random events is not to say that accidents are unrelated to driving hazards or driver skill.) The random variation of fatality rates is larger when the volume of traffic is small. For example, a random variation of 10 percent would be much more likely to occur in the Delaware fatality rate than in fatality rates for California or New York.

The random variation of fatality rates is somewhat analogous to the random variation observed when flipping a coin repeatedly. If the probability of "heads" is 1 in 2, the ratio of the number of heads to the number of flips approaches $1/2$ as the number of flips increases. Similarly, if the probability that a fatality will result from an attempt to drive one vehicle-mile is 3 in 100 million, the ratio of fatalities to vehicle-miles will approach $3/(100 \text{ million})$ as the number of vehicle-miles increases. While the numbers of vehicle-miles or flips of a coin is increasing, ratios vary at random. The amount of variation can be computed by applying the binomial probability law for the appropriate number of vehicle-miles or flips. Approximations of the binomial law are commonly used to simplify computation.

The application of the binomial probability law to accident rates gives results that approximate observed experience. This procedure is widely

The application of the binomial probability law to accident rates gives results that approximate observed experience. This procedure is widely used by the States to identify hazardous sections of highway. It does not give precise results primarily because the probability of a fatality (or other event of interest) is not the same for every attempt that is made to drive a vehicle-mile without an accident.

The rate-density curve in Figure 7A-1 is an exponential curved fitted to the data points by a weighted least squares procedure. Each point is defined by a State fatality rate and travel density for the 4-year period. The point is weighted in proportion to the vehicle-miles of travel in the State during those 4 years.

Because the volumes of travel are different for every State, the magnitudes of random variation are also different. To illustrate the effect of these differences, provisional ranges have been computed and are shown in Figure 7-A2. For each State, the observed 1982 fatality rate is shown along with a provisional range centered upon a value taken from the rate density curve in Figure 7-A1. If variations from rates on the rate-density curve in Figure 7-A1 followed a binomial distribution, the probability would be 99 out of 100 that each observed rate would fall within the provisional range shown in Figure 7-A2. Conversely, the chances would be only 1 in 100 that an observed rate would fall outside the provisional range if the risk were the same in 1982 as in the preceding 4 years and variation from the rate-density curve were random. If a rate falls above or below the range shown, it is likely that it is unusually high or low for some reason other than random variation. It is evident from Figure 7-A2 that most State fatality rates varied significantly from the provisional rate-density curve. While the 1982 fatality rates were about the same for New York and Hawaii, New York's rate was substantially lower than State rates observed for a similar travel density in the preceding 4-year period. Hawaii's rate, on the other hand, is well within the provisional range, where deviation from the rate-density curve is less significant. Analysis of the possible reasons for the low rate in New York and the rates outside provisional ranges in many other States is beyond the scope of this report.

In Figure 7-A2, States are arranged in order of travel density to facilitate comparison of States with similar travel densities; the State with the most vehicle miles per mile of highway (i.e., the highest average daily traffic) is at the top.

In Figures 7-B1, 7-B2a, and 7-B2b, rural and urban fatality rates for each State are shown separately but in the same manner as the information in Figures 7-A1 and 7-A2.

Other provisional rate-density relationships, as well as provisional rate changes and observed fatality rates for the highway systems in each State, are shown in Figures 7-C1 through 7-F2b.

It can be seen in Figure 7 that, for every system, fatality rates observed in 1982 were rarely above the provisional range based on 1978 through 1981 experience.

Fig. 7-A1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
ALL HIGHWAYS

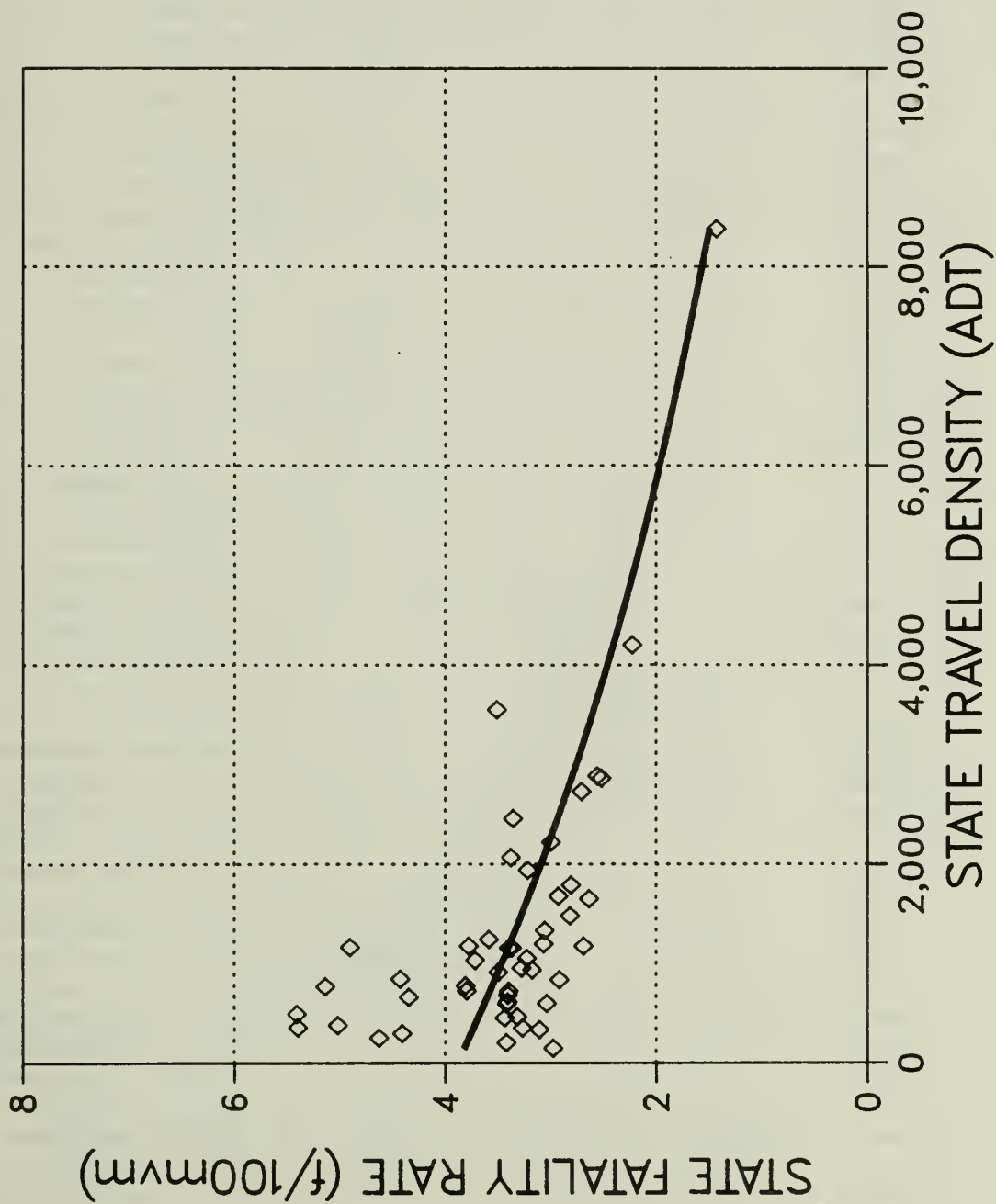


Figure 7-A2 FATALITY RATE BY STATE-ALL HIGHWAYS (1982)

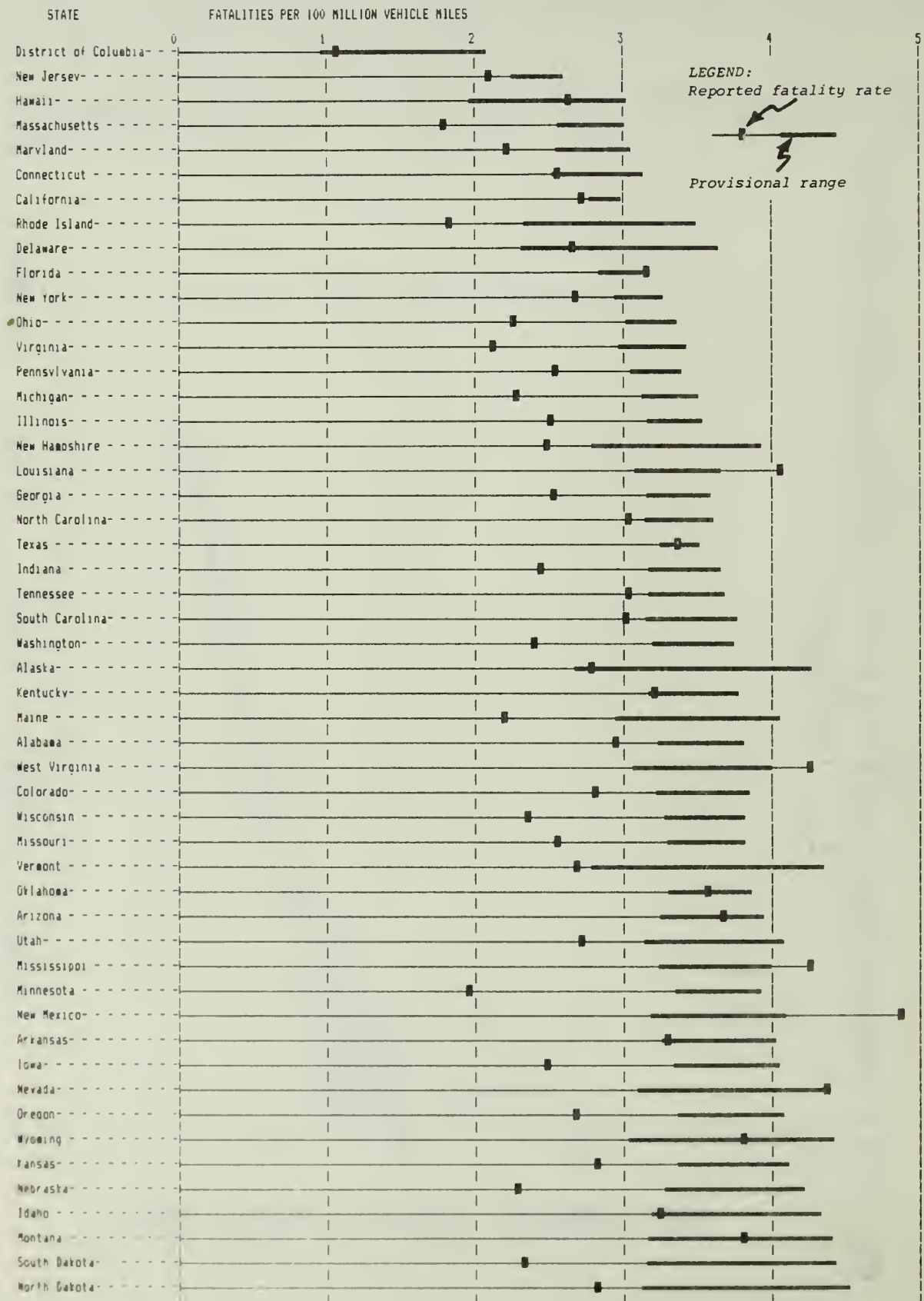


Fig. 7-B1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
RURAL AND URBAN HIGHWAYS

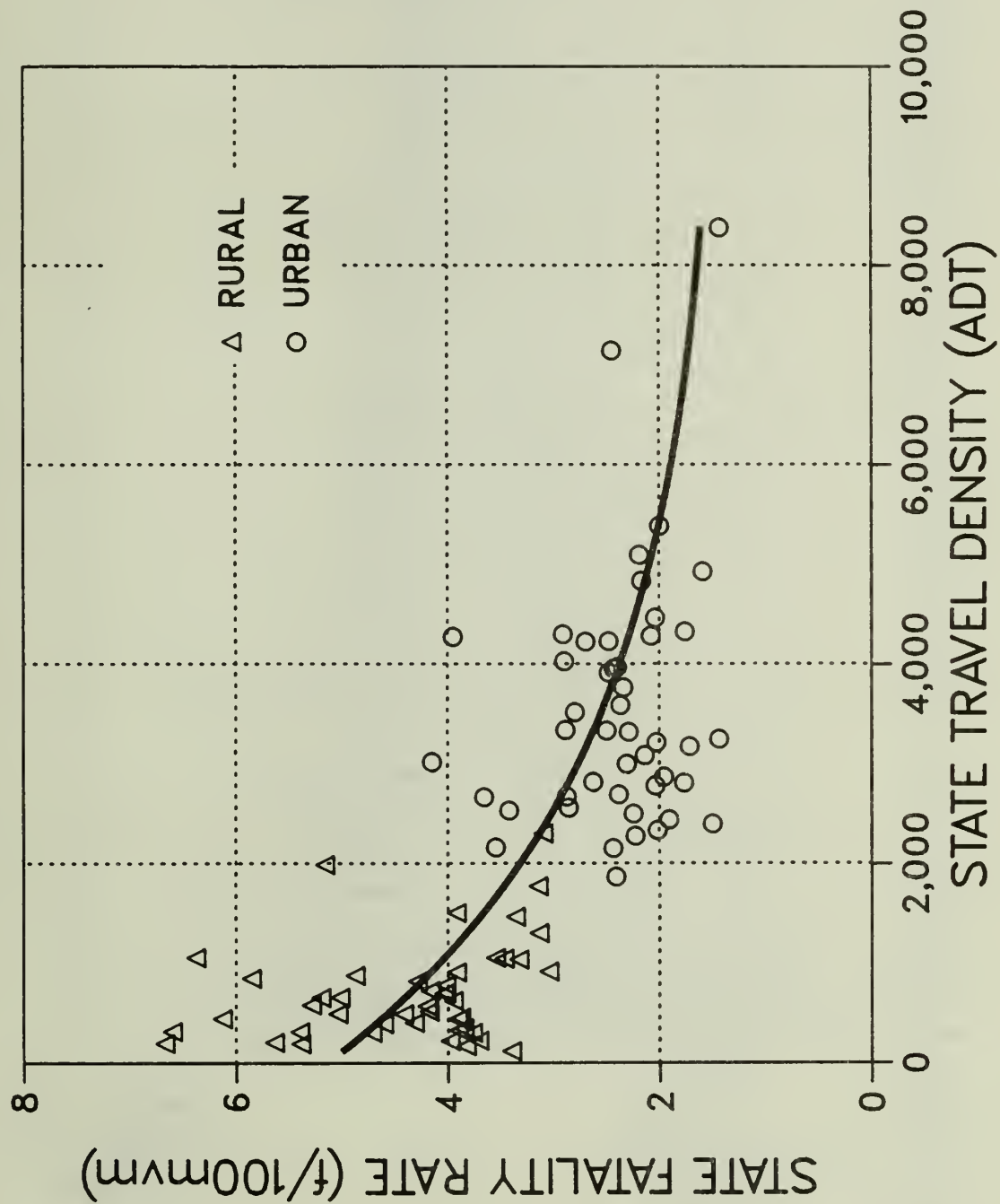


Figure 7-B2a FATALITY RATE BY STATE--ALL RURAL HIGHWAYS (1982)

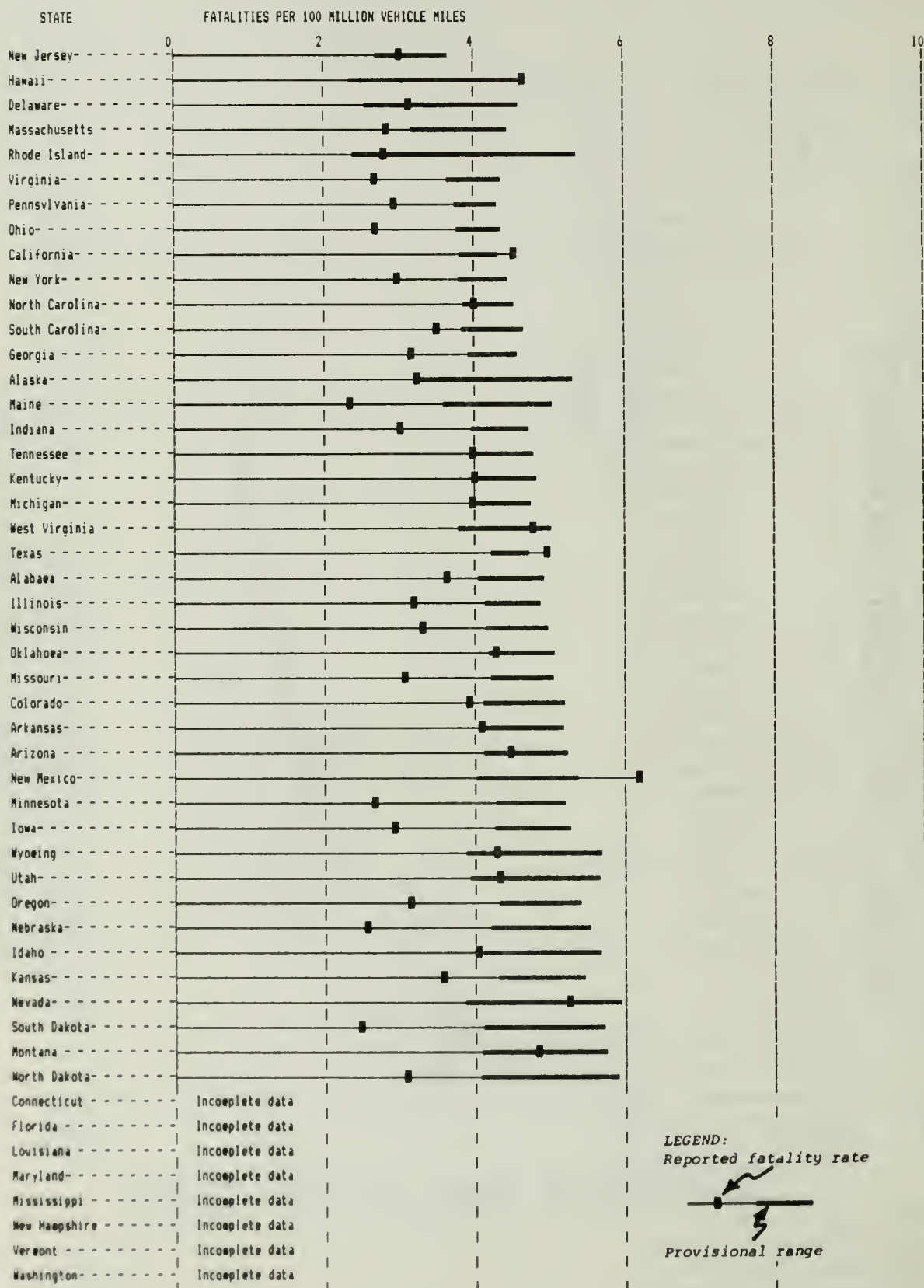


Figure 7-B2b FATALITY RATE BY STATE-ALL URBAN HIGHWAYS (1982)

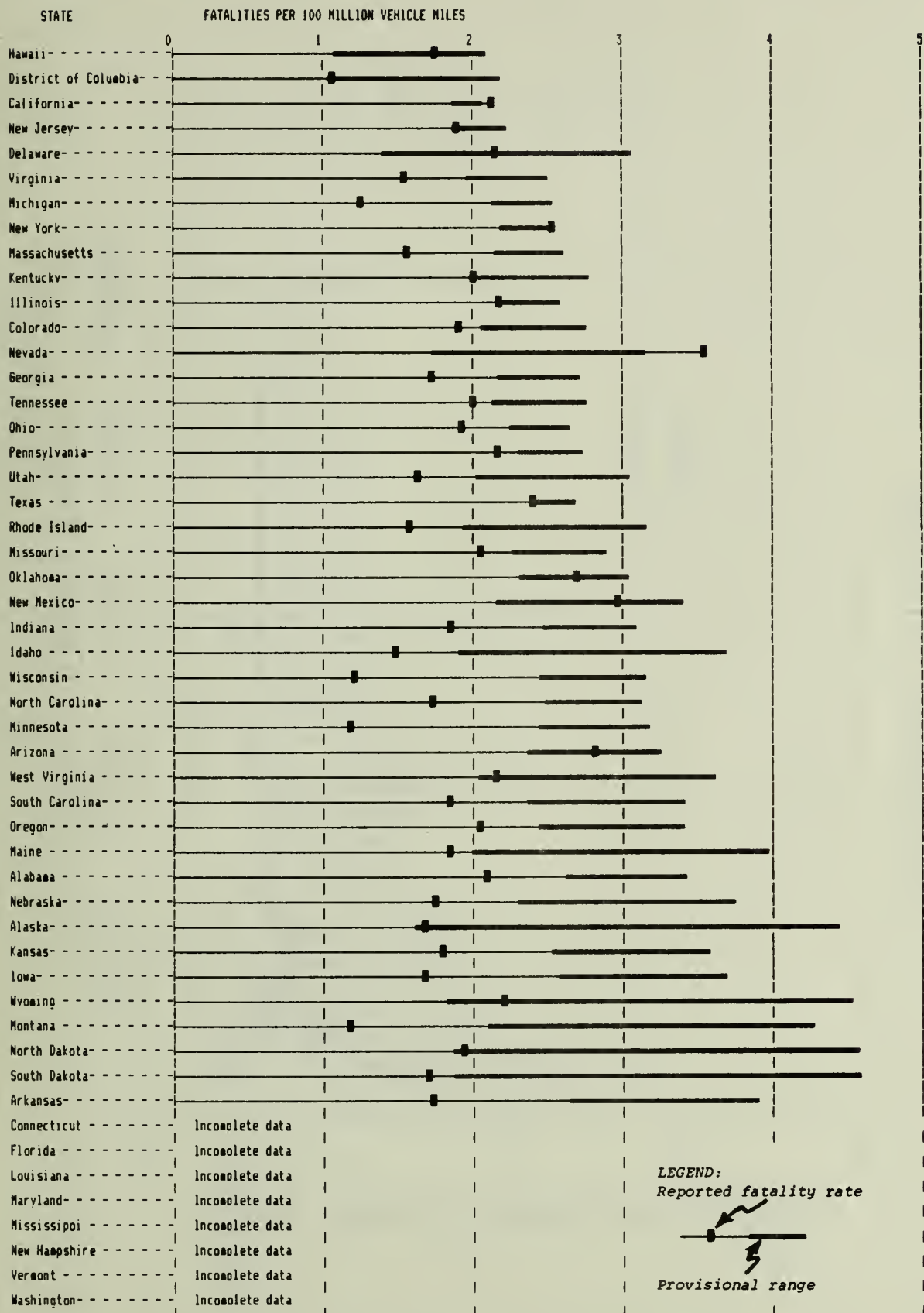


Fig. 7-C1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
INTERSTATE SYSTEM

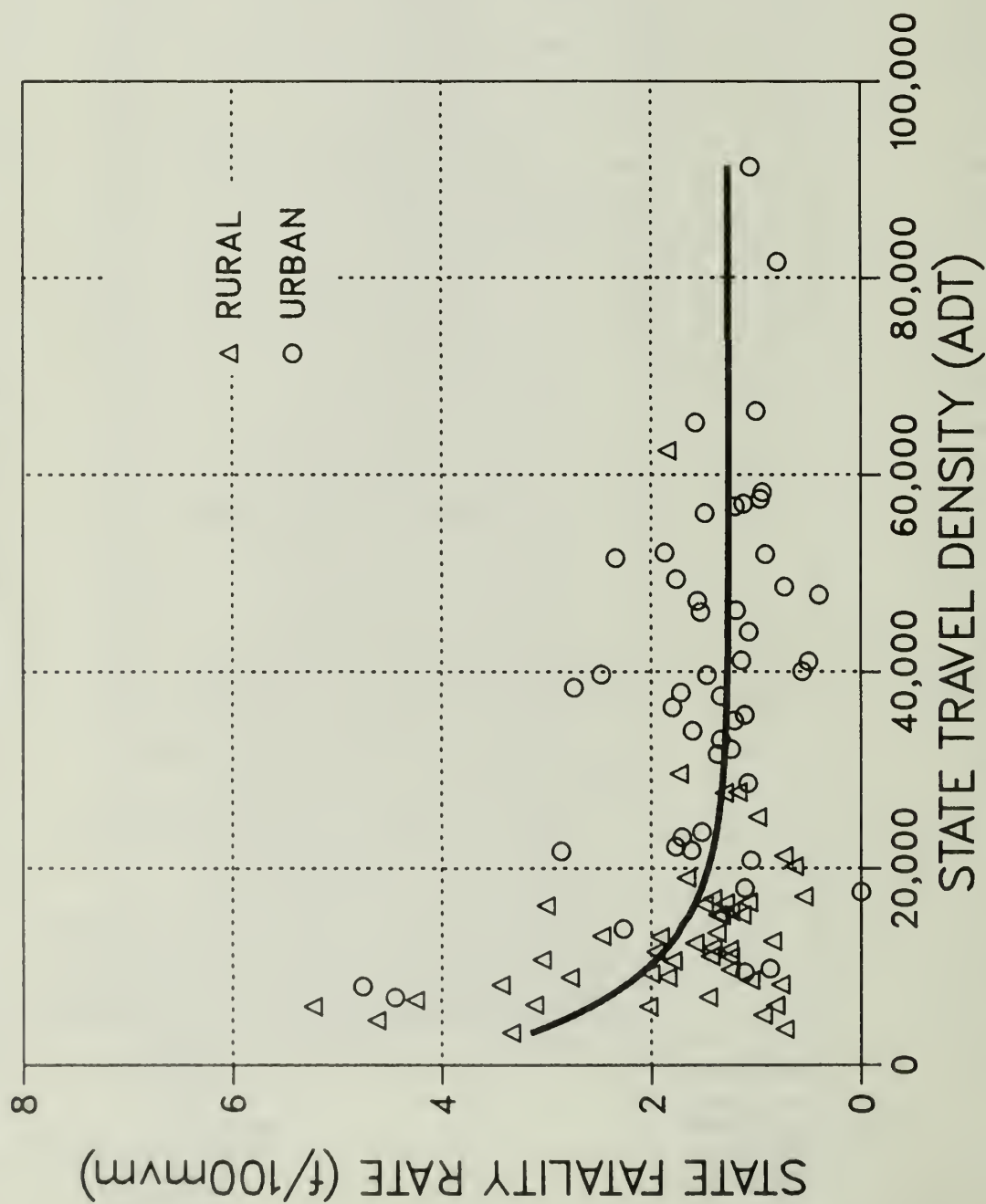


Figure 7-C2a FATALITY RATE BY STATE--RURAL INTERSTATE HIGHWAYS (1982)

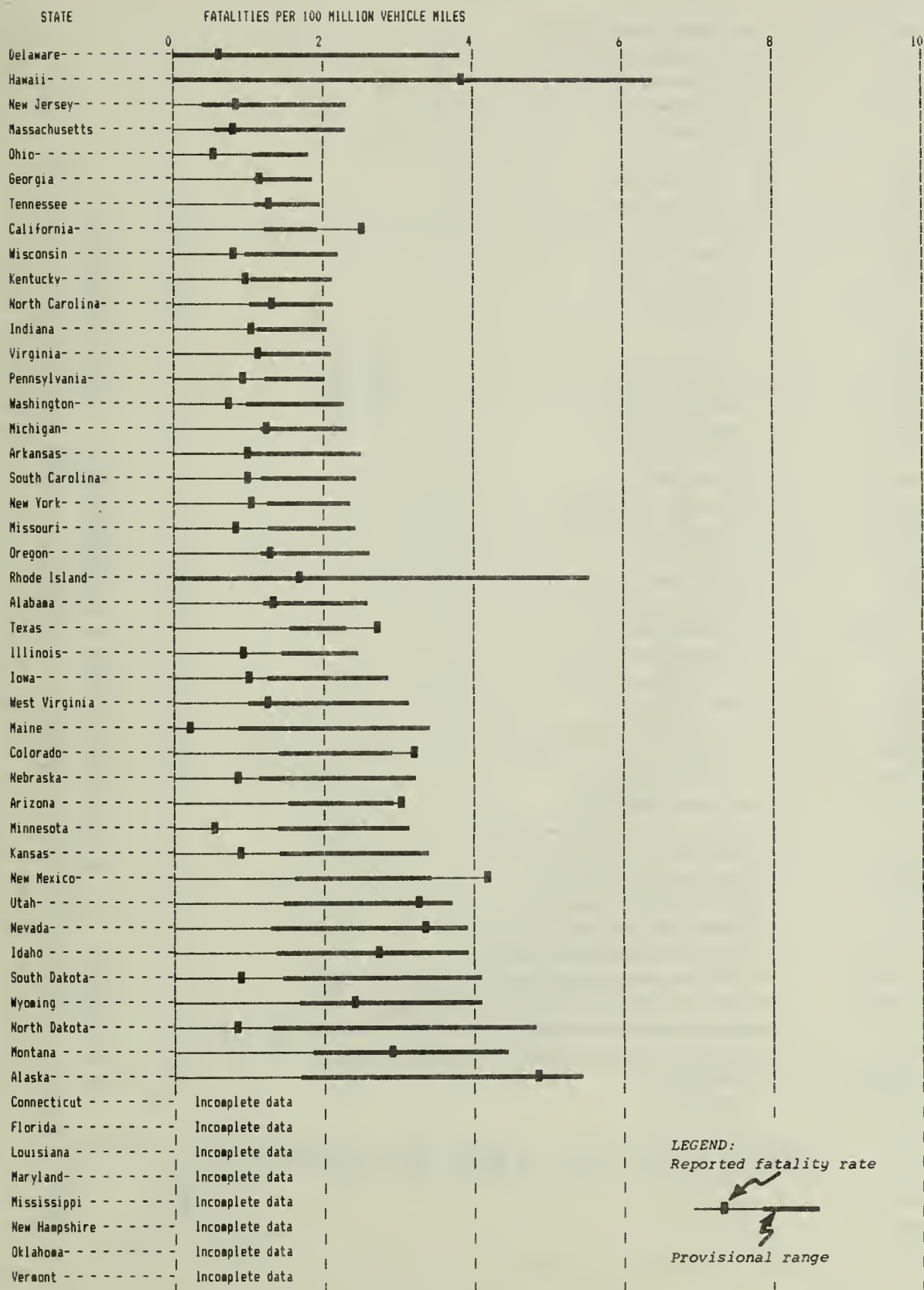


Figure 7-C2b FATALITY RATE BY STATE--URBAN INTERSTATE HIGHWAYS (1982)

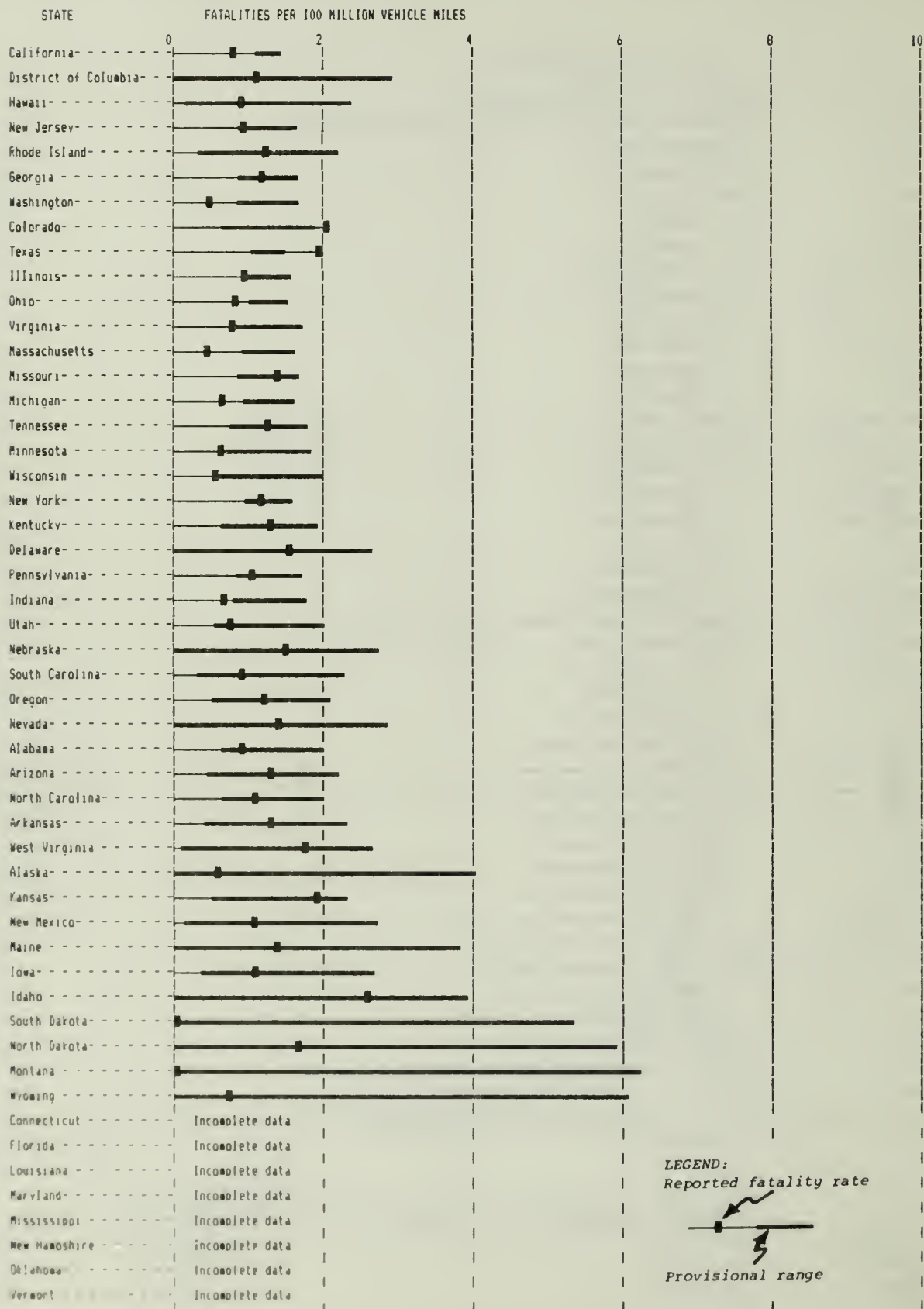
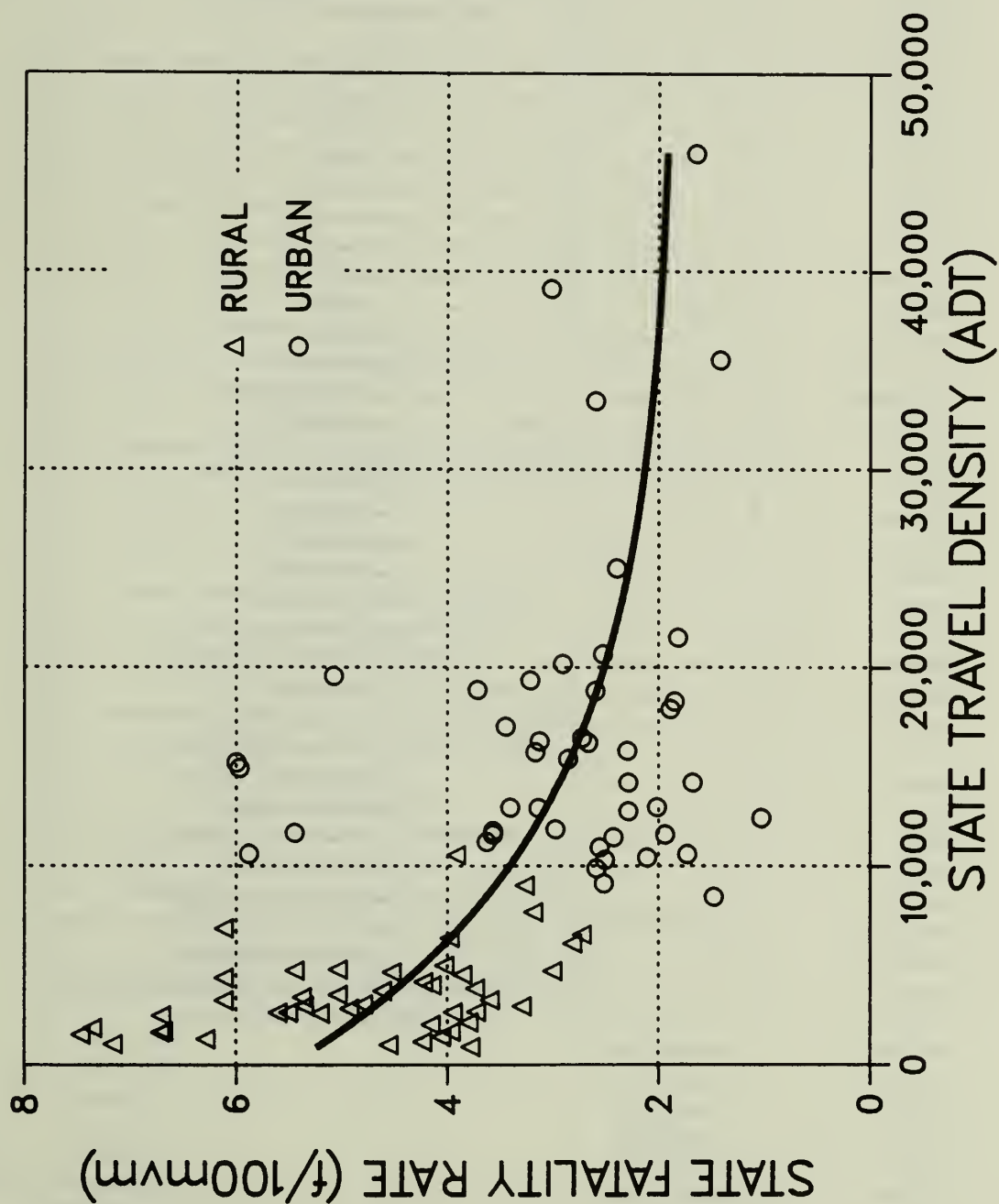
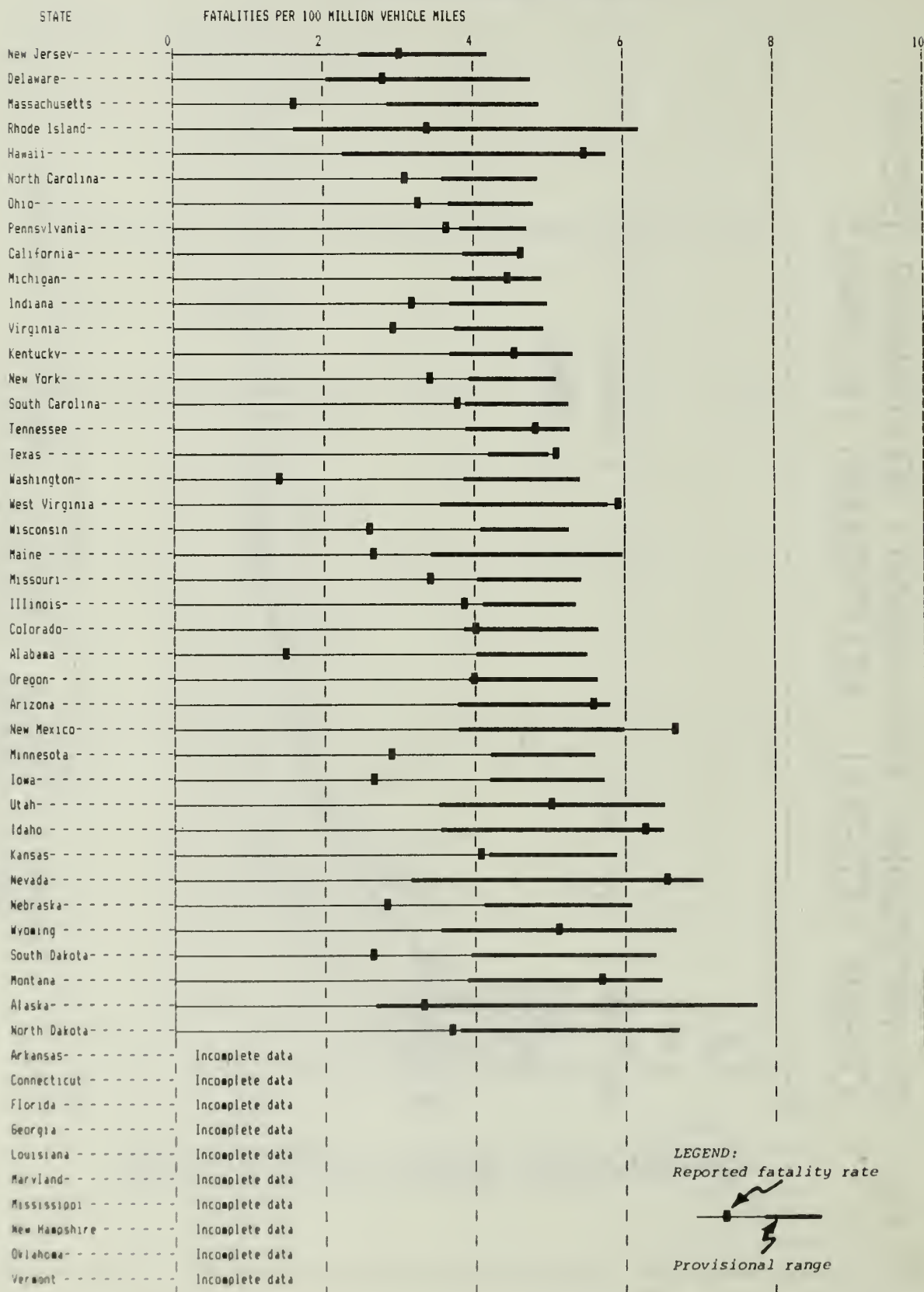


Fig. 7-D1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
OTHER FEDERAL-AID PRIMARY HIGHWAYS



**Figure 7-D2a FATALITY RATES BY STATES-OTHER RURAL
FEDERAL-AID PRIMARY HIGHWAYS (1982)**



**Figure 7-D2b FATALITY RATES BY STATE--OTHER URBAN
FEDERAL-AID PRIMARY HIGHWAYS (1982)**

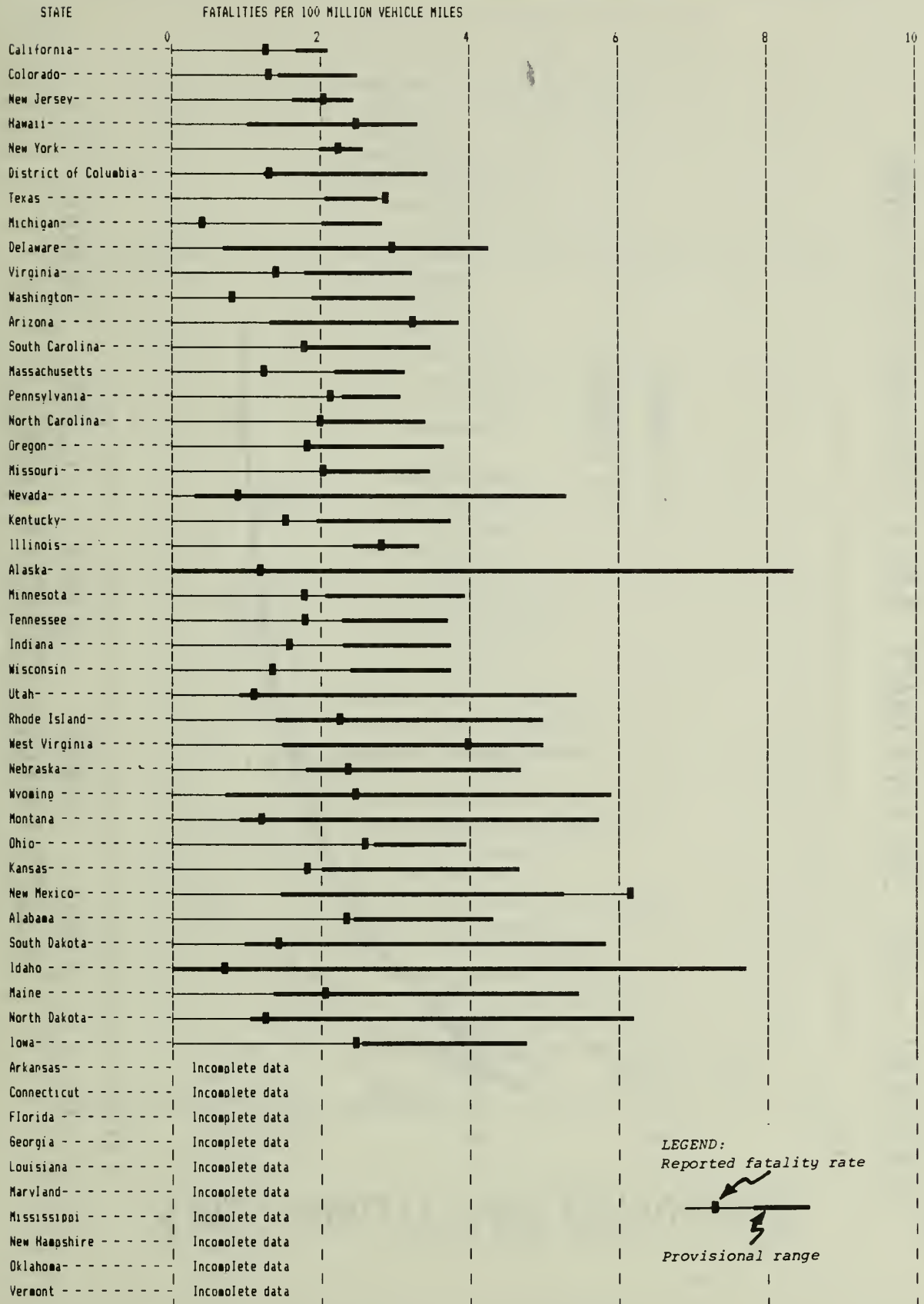


Fig. 7-E1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
FEDERAL-AID SECONDARY AND URBAN SYSTEMS

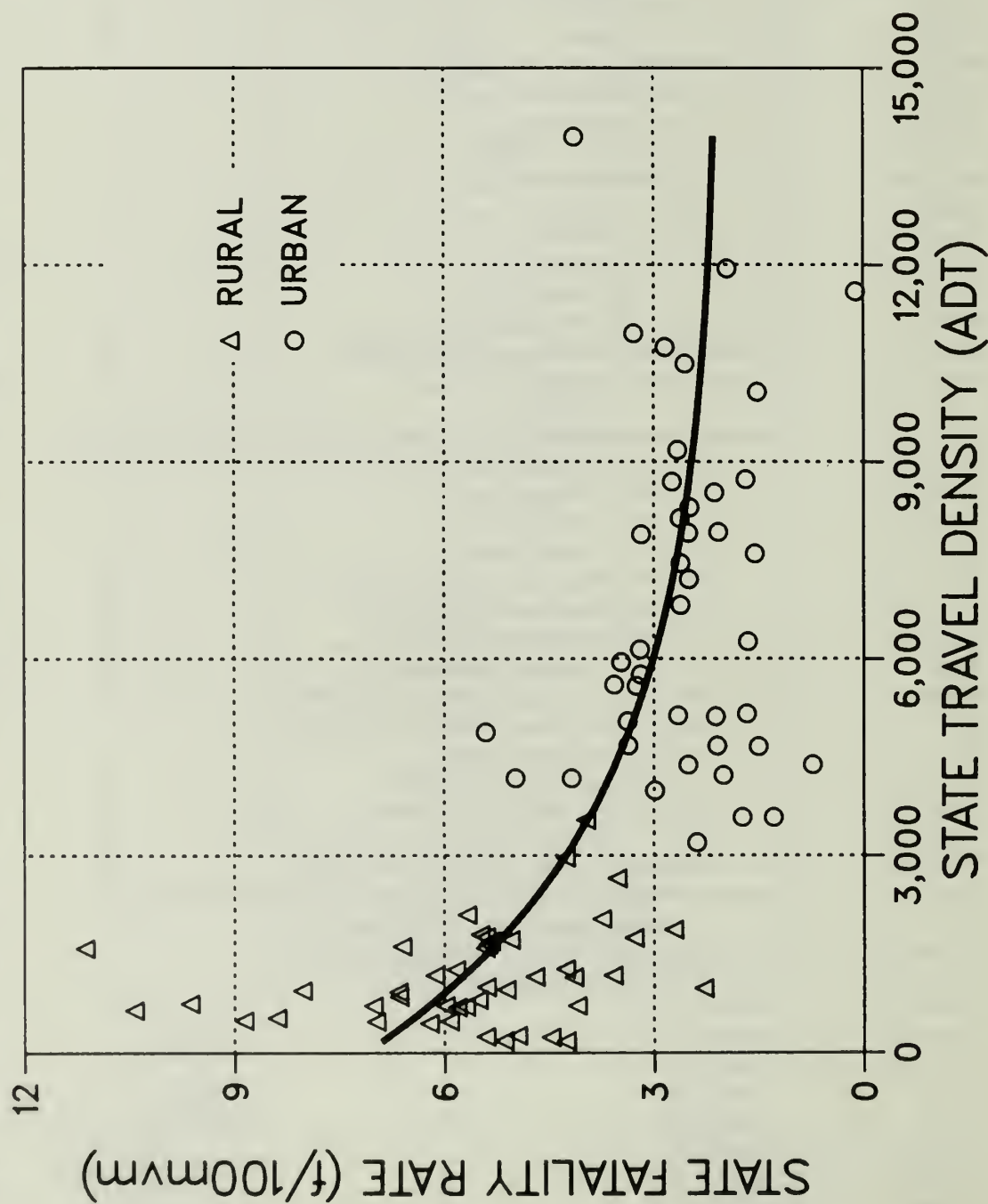


Figure 7-E2a FATALITY RATE BY STATE--FEDERAL-AID SECONDARY HIGHWAYS (1982)

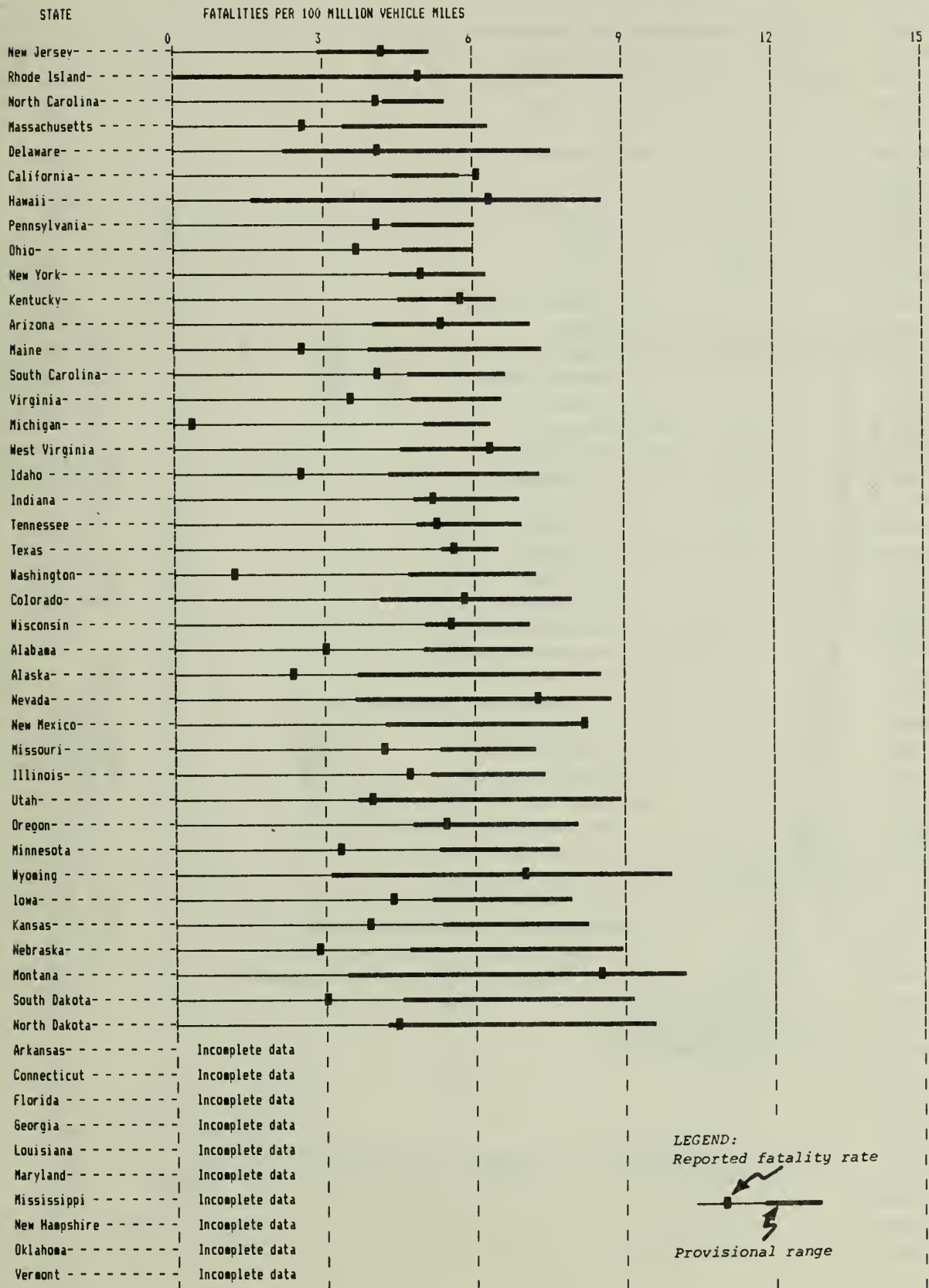


Figure 7-E2b FATALITY RATE BY STATE—FEDERAL-AID URBAN SYSTEM HIGHWAYS (1982)



Fig. 7-F1. PROVISIONAL RATE-DENSITY RELATIONSHIP (1978-81)
NON-FEDERAL-AID HIGHWAYS

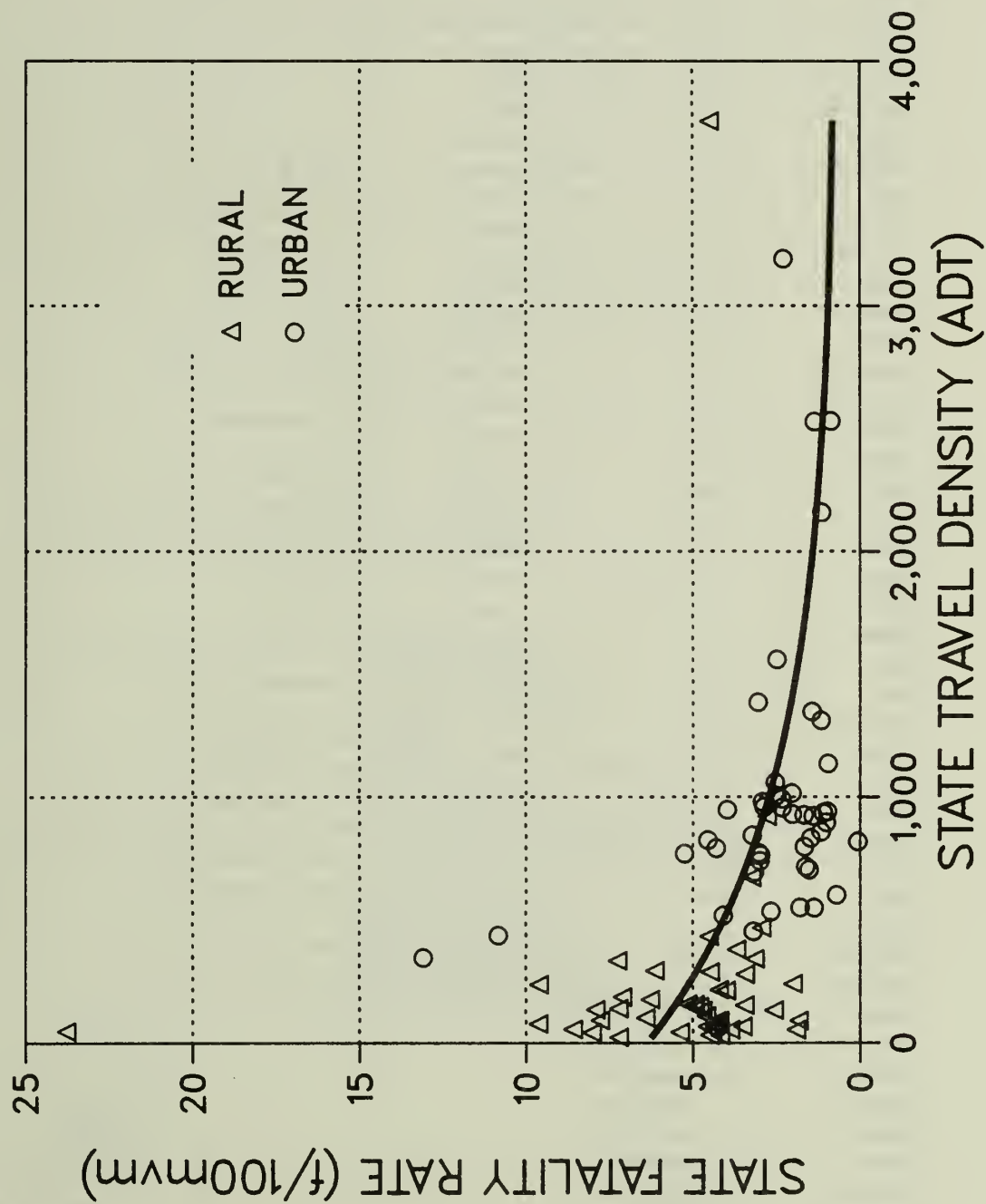


Figure 7-F2a FATALITY RATE BY STATE—RURAL NON-FEDERAL-AID HIGHWAYS (1982)

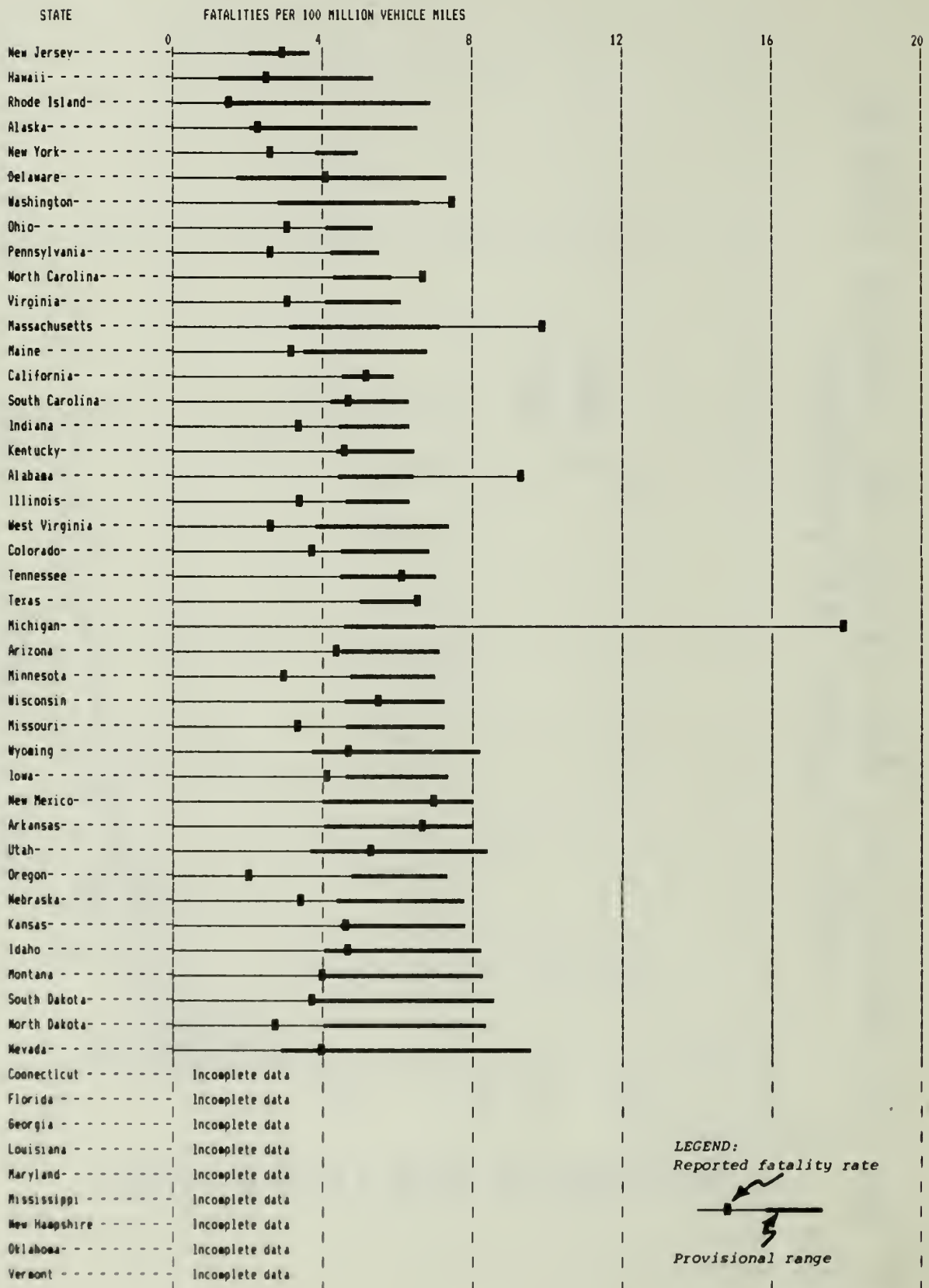
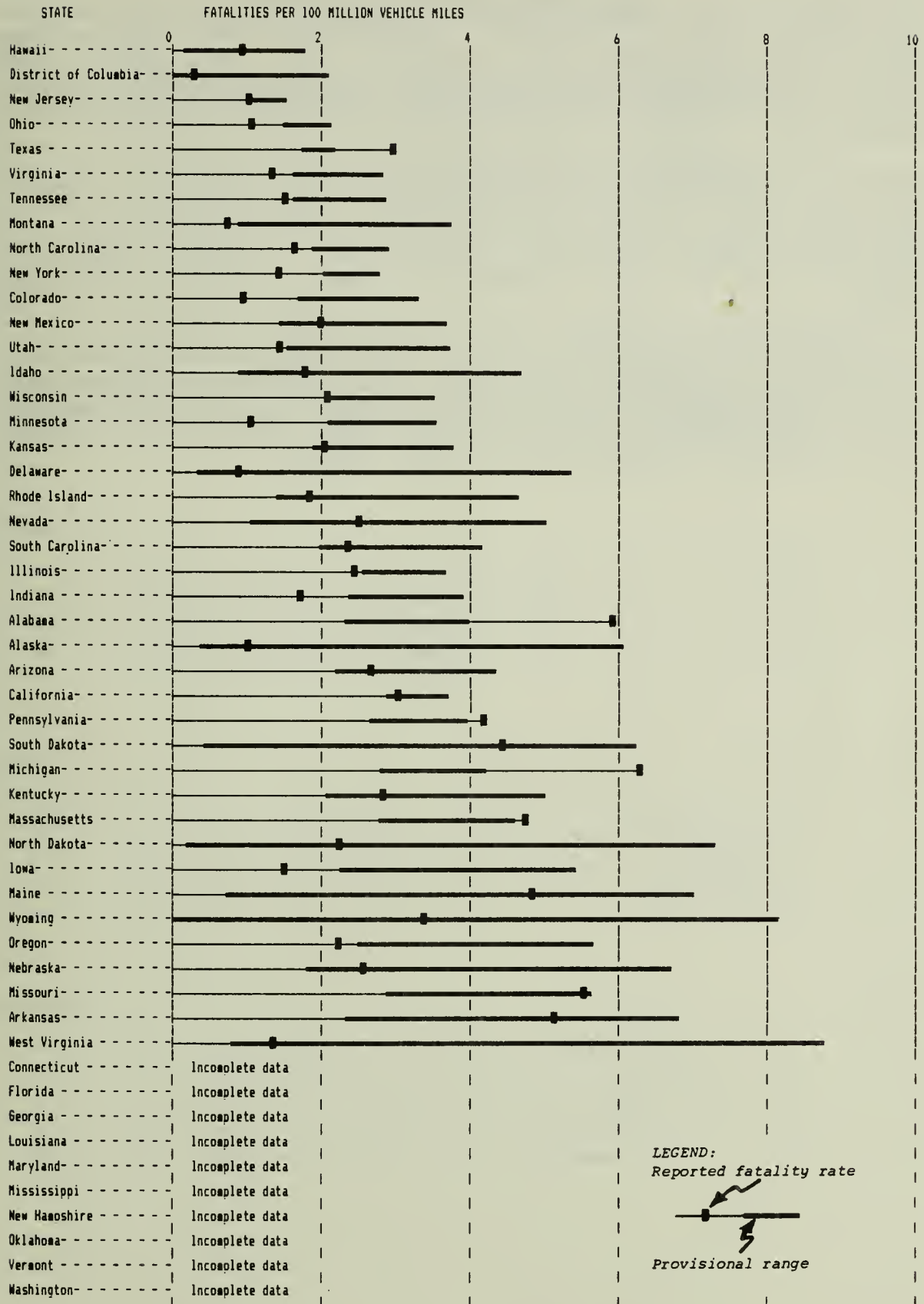


Figure 7-F2b FATALITY RATE BY STATE--URBAN NON-FEDERAL-AID HIGHWAYS (1982)



SECTION VI—STATE FATALITY RATE TRENDS

It is sometimes more useful to know the trend within a State than to know how that State compares with others. Figure 8 illustrates changes in State rates over the 5-year period from 1978 through 1982. The format of the graphs is similar to that in Figure 7-A2. The provisional range for each of the 5 years is based on the provisional rate-density curve shown in Figure 7-A1.

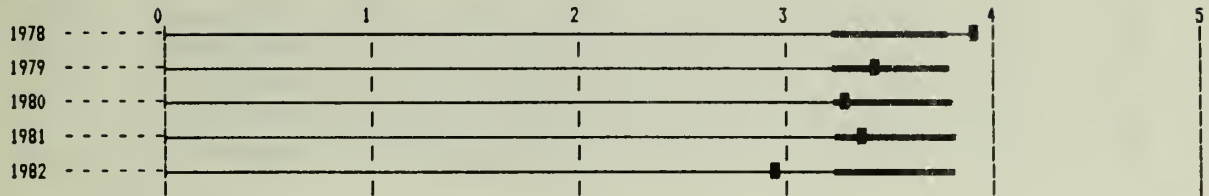
Figure 8 is designed to show, within each State, the pattern of observed rates over the 5-year period and the relationship of observed rates to provisional ranges. Because of differences in the magnitude of their rates, not all States are shown at the same scale. It is not intended that Figure 8 be used to compare the magnitude of fatality rates in different States.

While some States like Illinois and Minnesota show steadily decreasing fatality rates throughout the 5-year period, Kentucky reports almost no change. In the majority of States, the rate reported for 1982 is substantially lower than the rates for preceding years. In only a few States is the 1982 fatality rate above the provisional range.

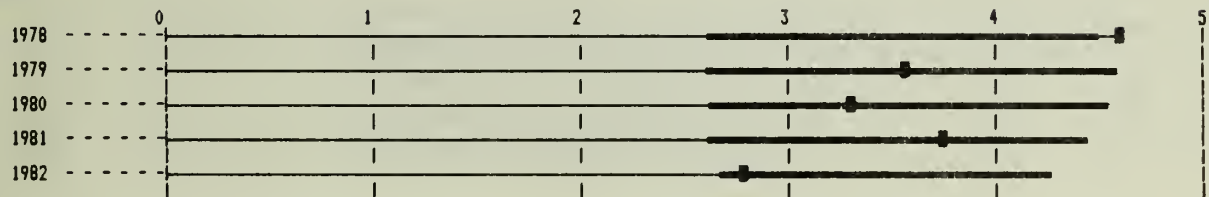
Figure 8 STATE FATALITY RATES (1978-1982)

(Fatalities per 100 million vehicle-miles)

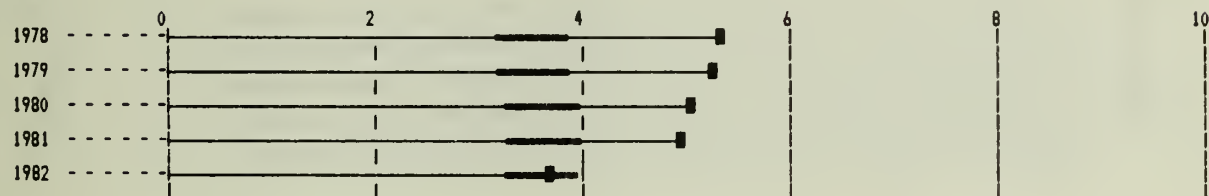
ALABAMA



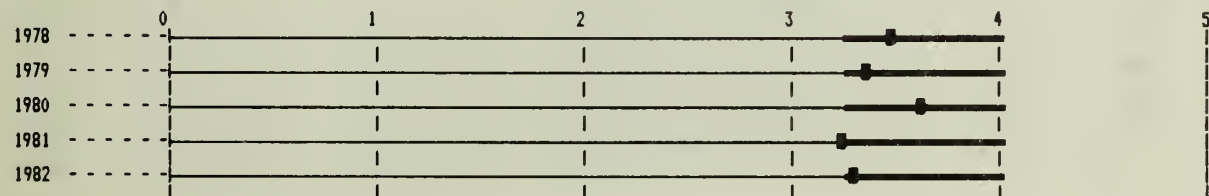
ALASKA



ARIZONA



ARKANSAS



CALIFORNIA

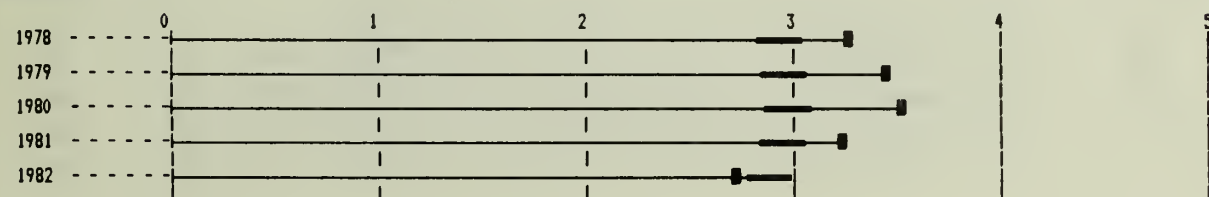
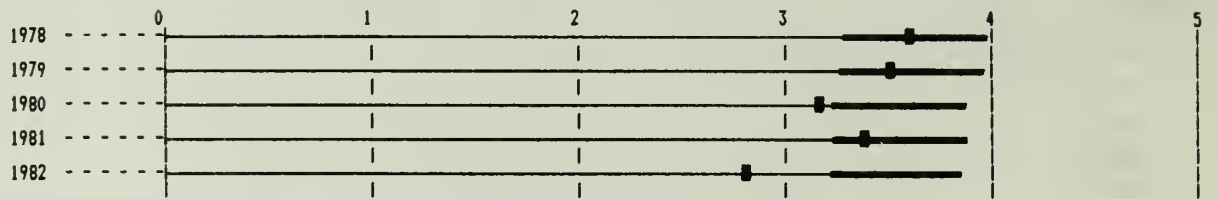
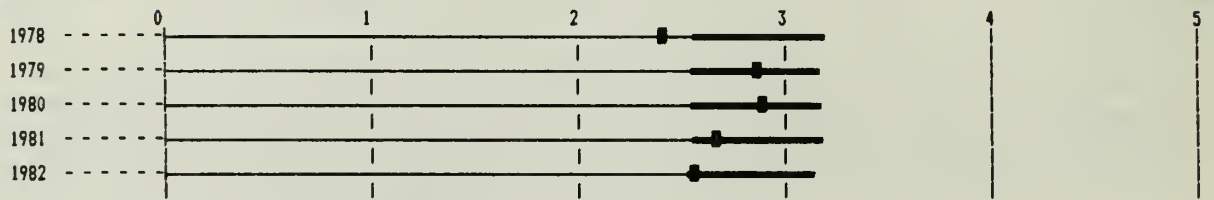


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

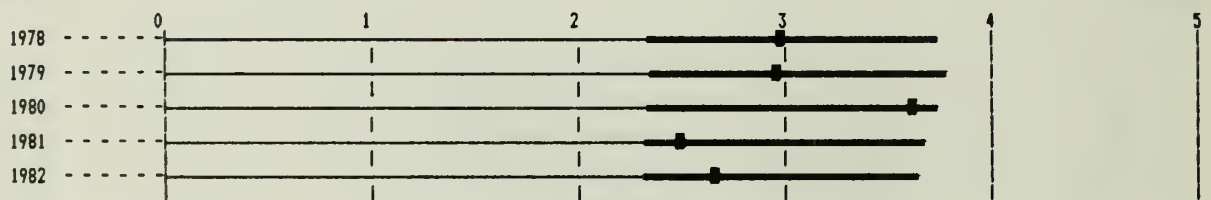
COLORADO



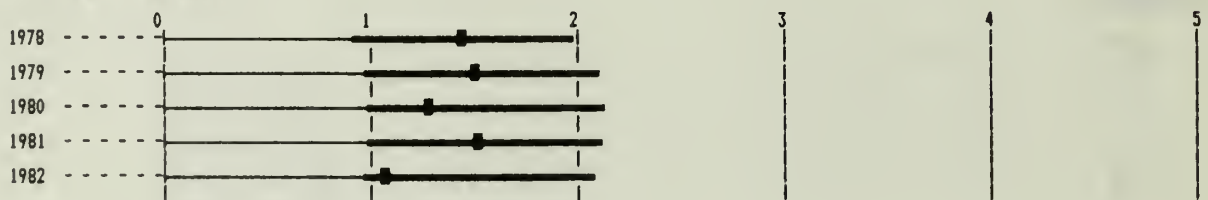
CONNECTICUT



DELAWARE



DISTRICT OF COLUMBIA



FLORIDA

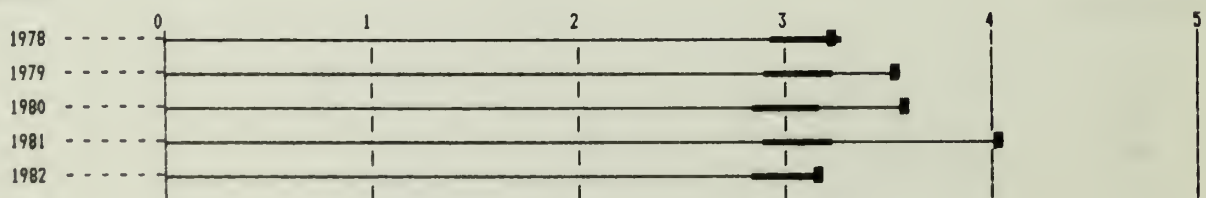
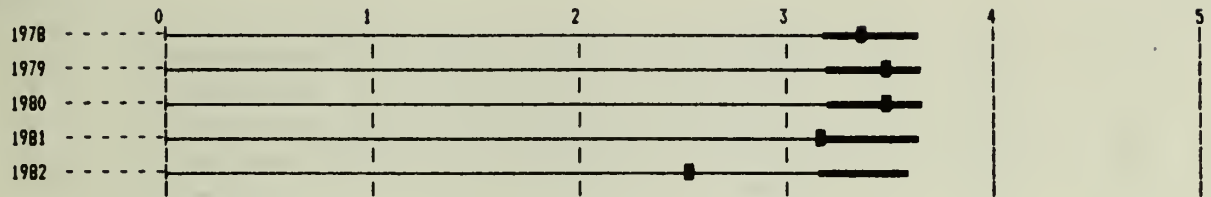
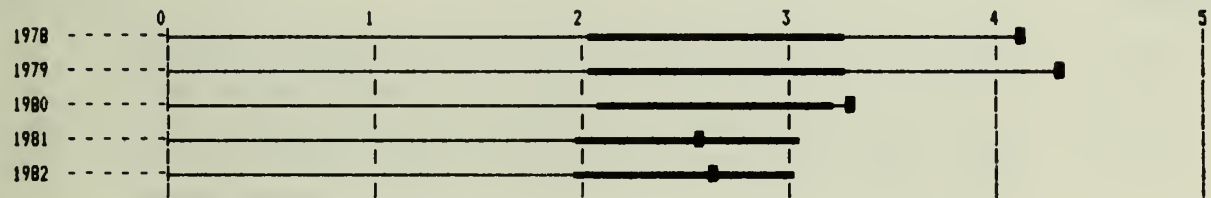


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

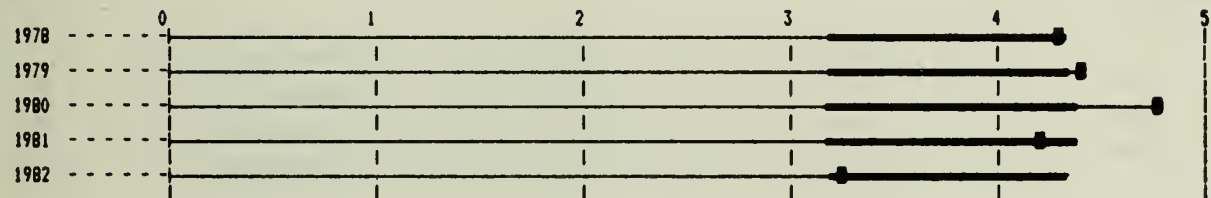
GEORGIA



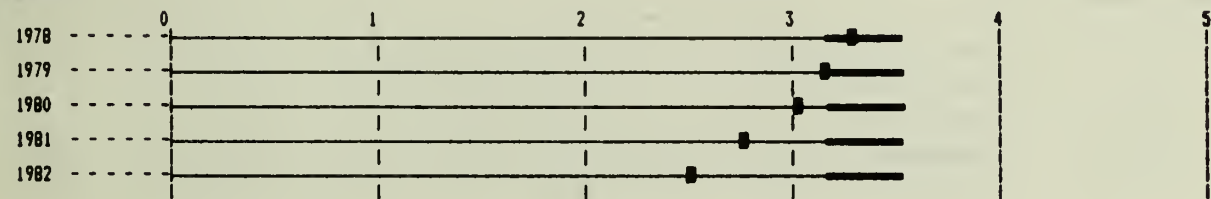
HAWAII



IDAHO



ILLINOIS



INDIANA

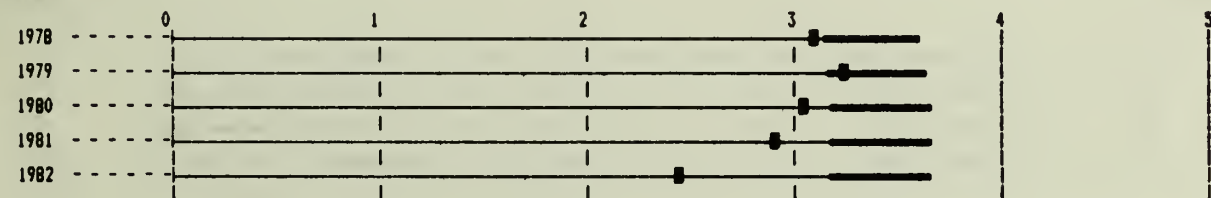
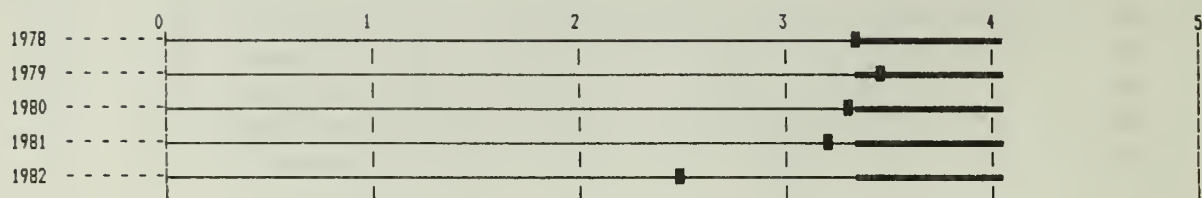
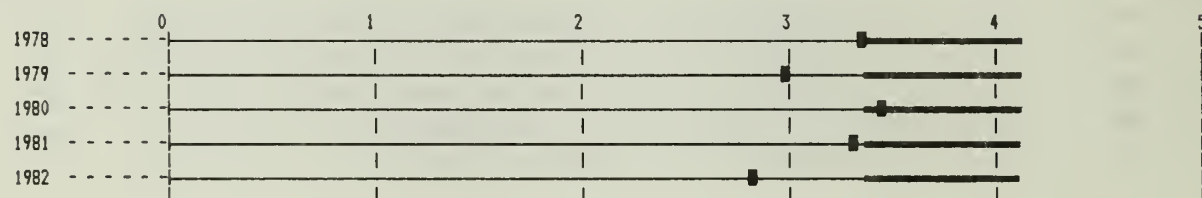


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

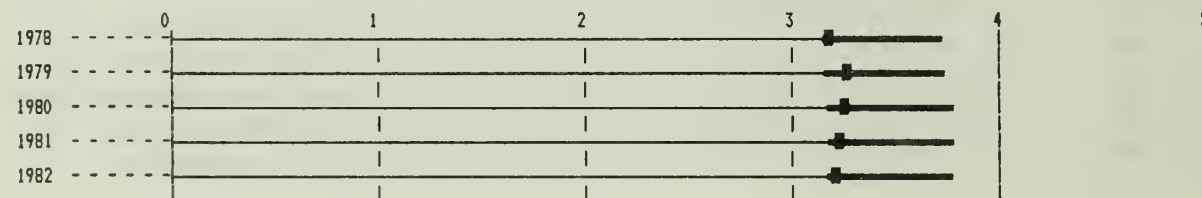
IOWA



KANSAS



KENTUCKY



LOUISIANA



MAINE

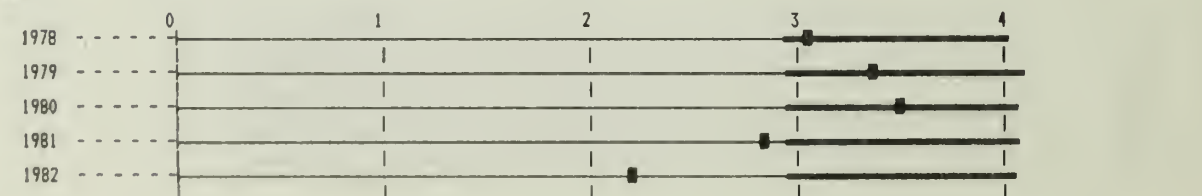
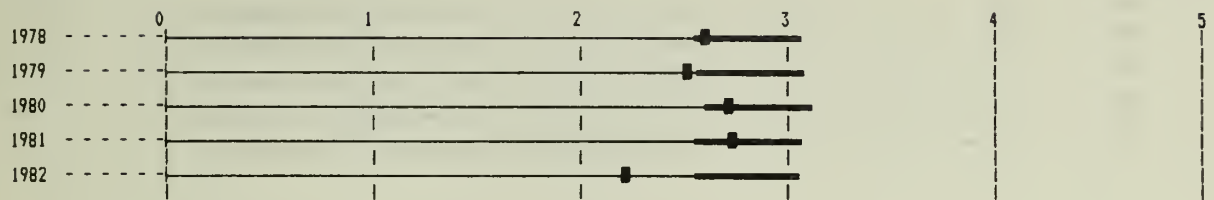
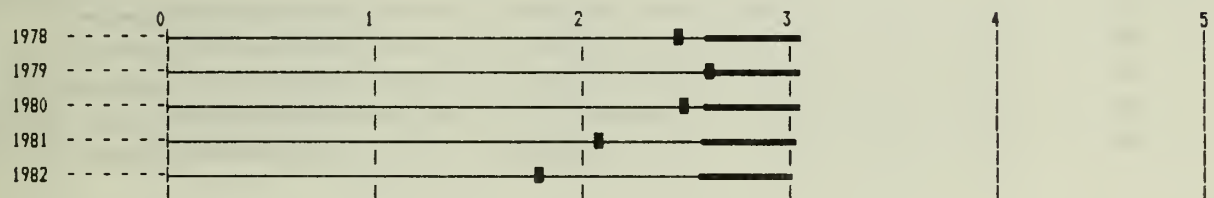


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

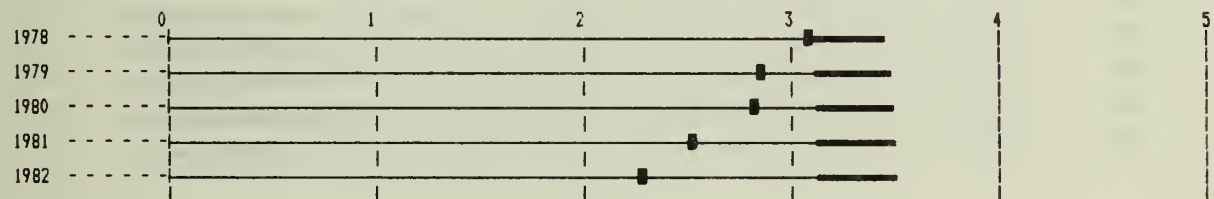
MARYLAND



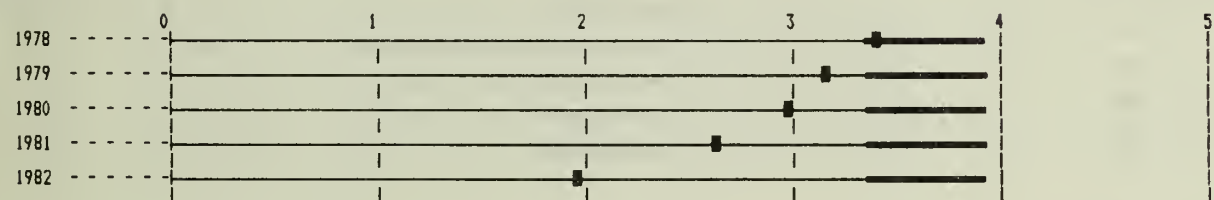
MASSACHUSETTS



MICHIGAN



MINNESOTA



MISSISSIPPI

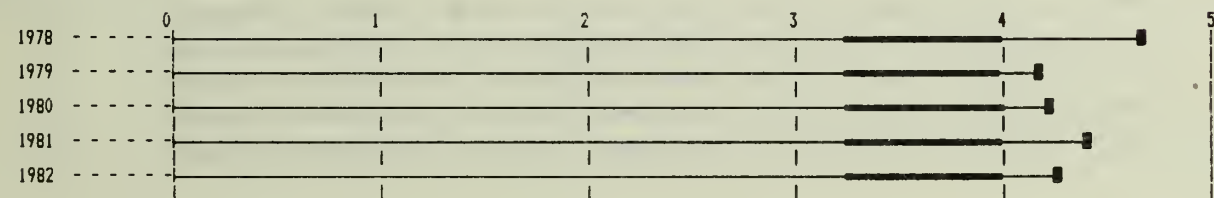
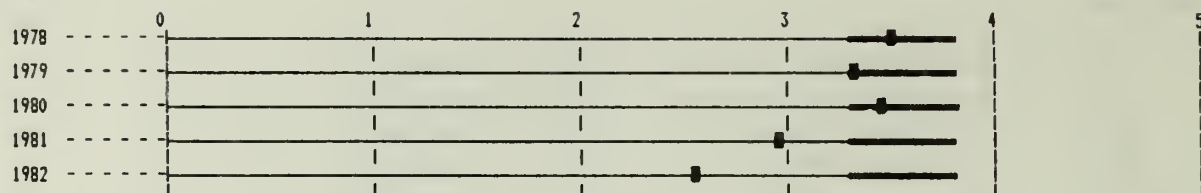
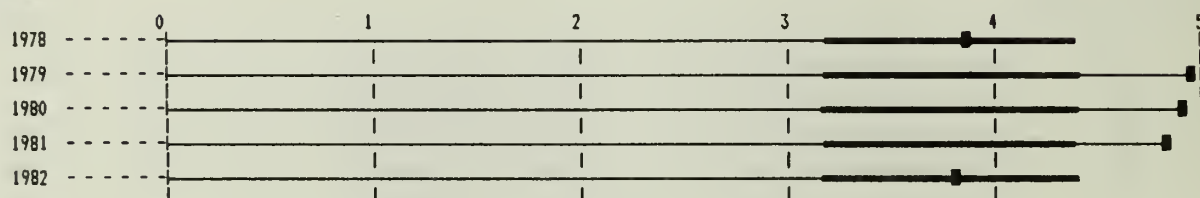


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

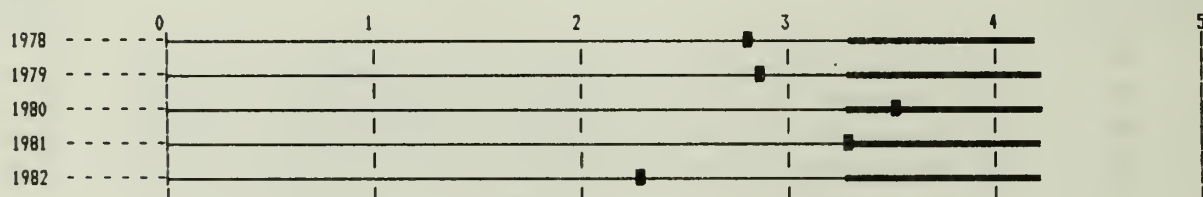
MISSOURI



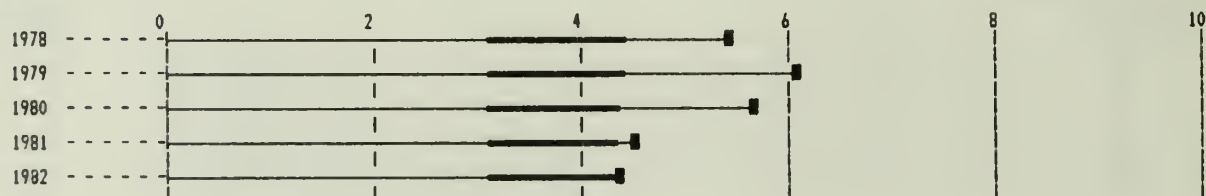
MONTANA



NEBRASKA



NEVADA



NEW HAMPSHIRE

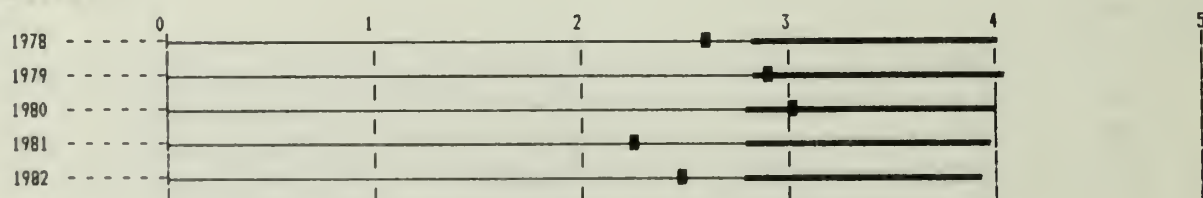
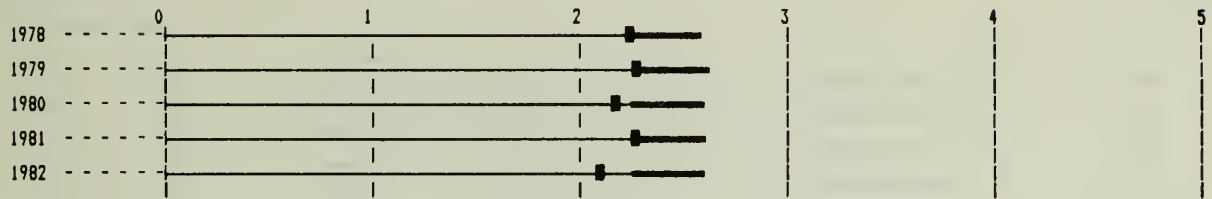
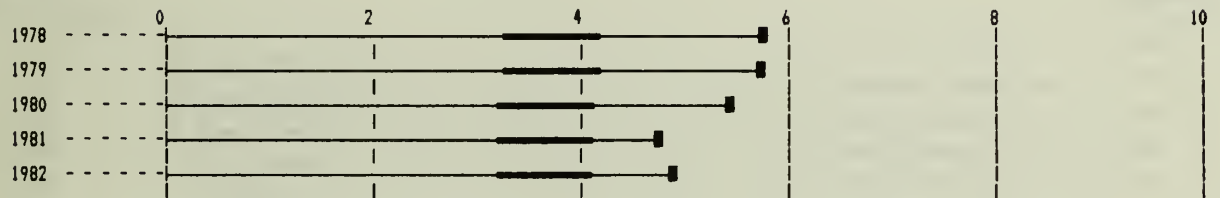


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

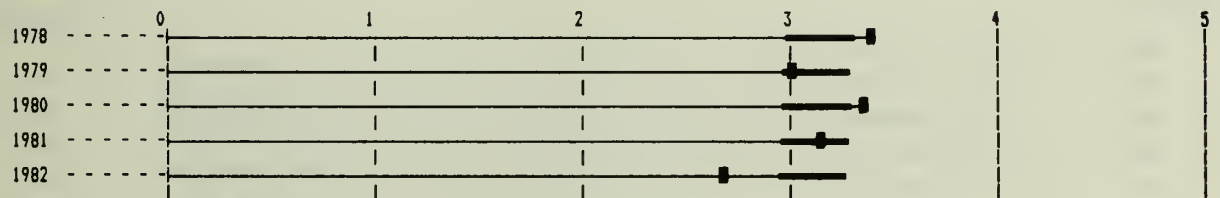
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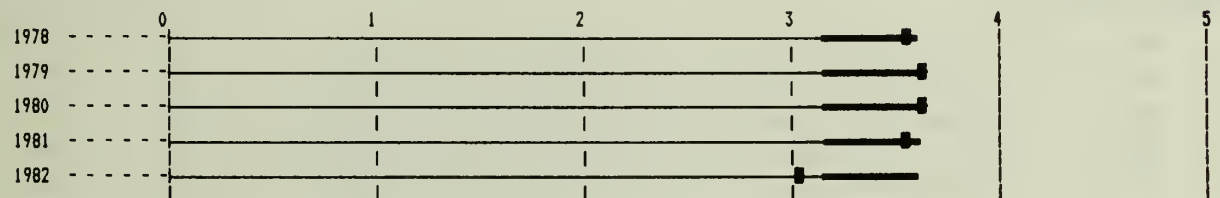
NEW MEXICO



NEW YORK



NORTH CAROLINA



NORTH DAKOTA

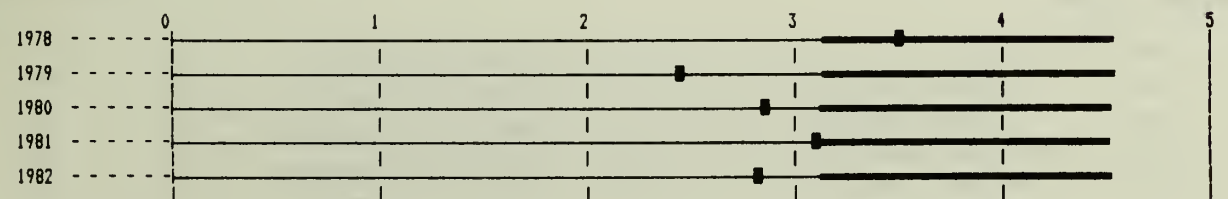
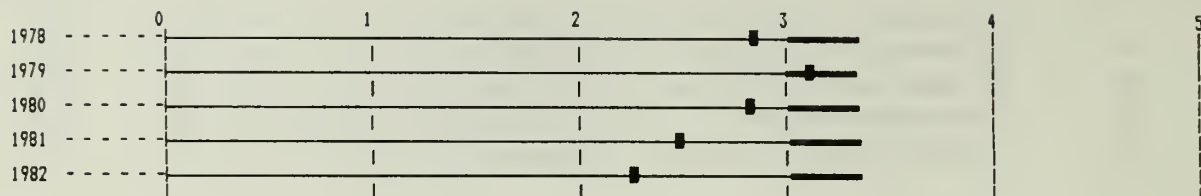
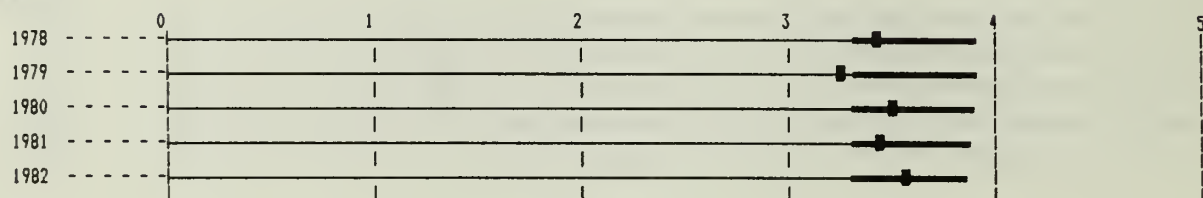


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

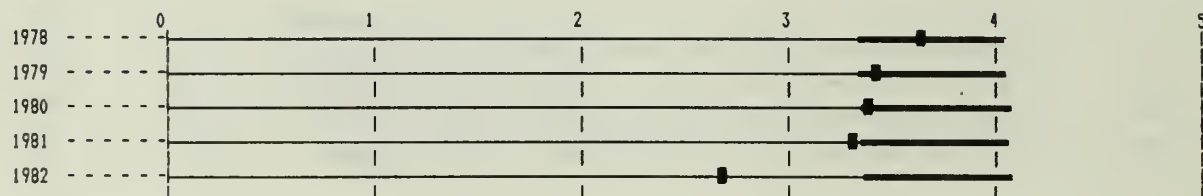
OHIO



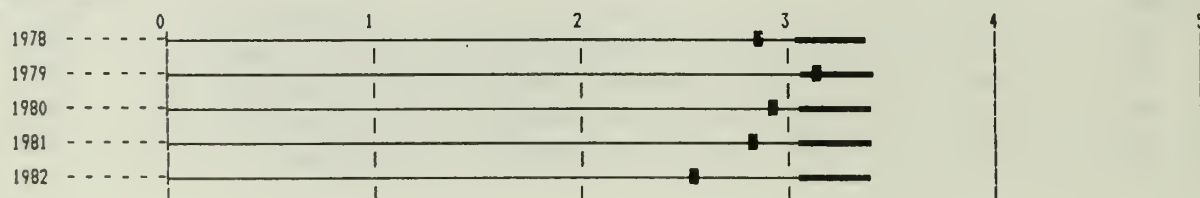
OKLAHOMA



OREGON



PENNSYLVANIA



RHODE ISLAND

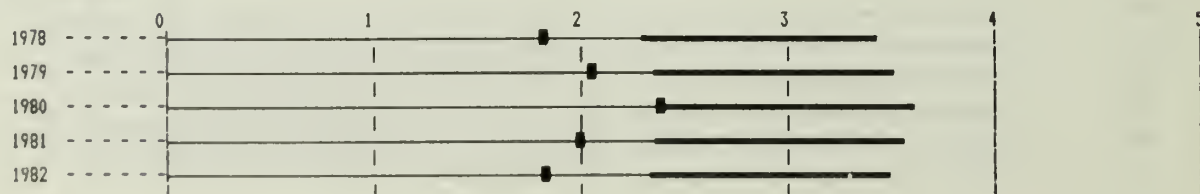
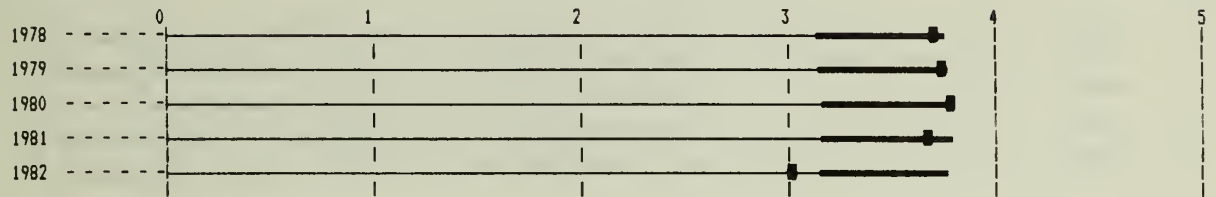
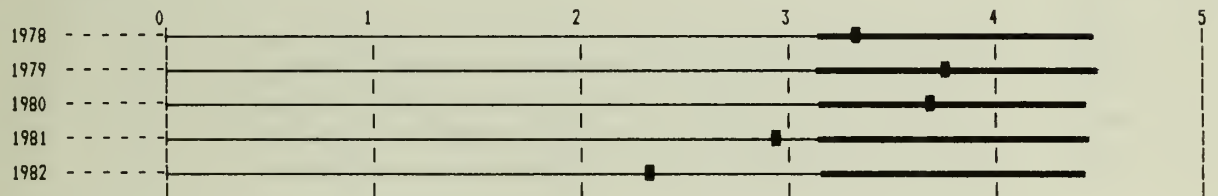


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

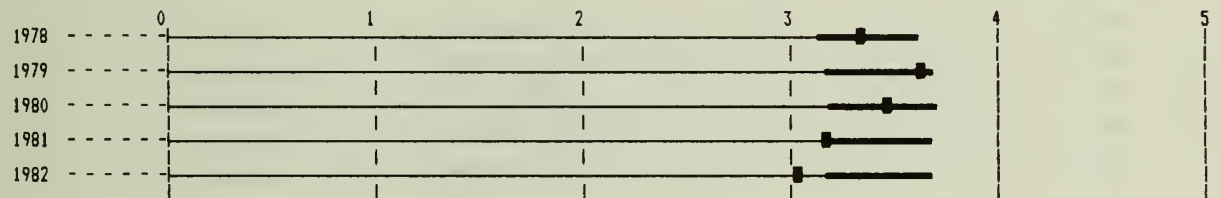
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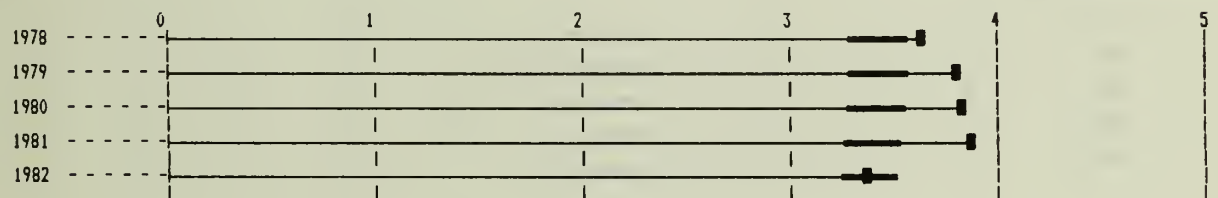
SOUTH DAKOTA



TENNESSEE



TEXAS



UTAH

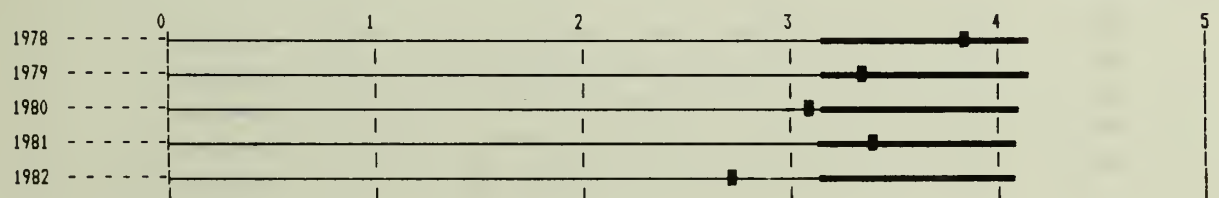
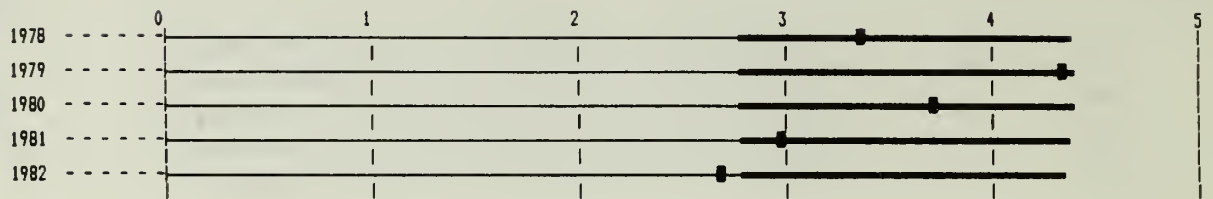
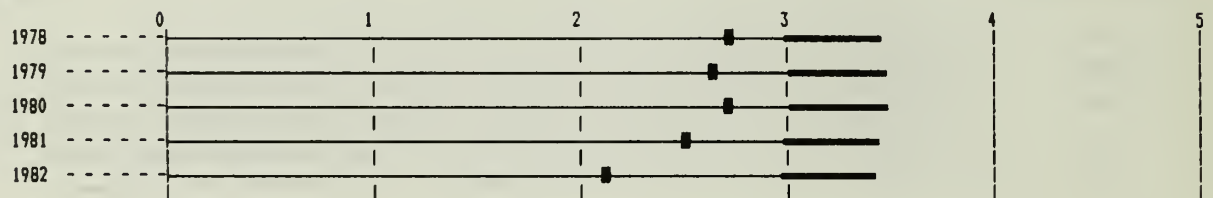


Figure 8 (continued) STATE FATALITY RATES (1978-1982)

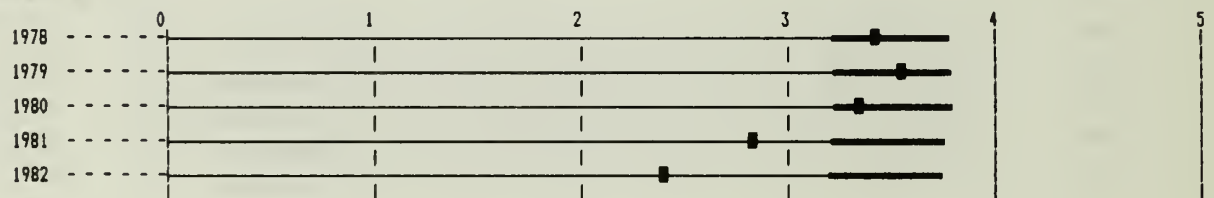
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VIRGINIA



WASHINGTON



WEST VIRGINIA



WISCONSIN

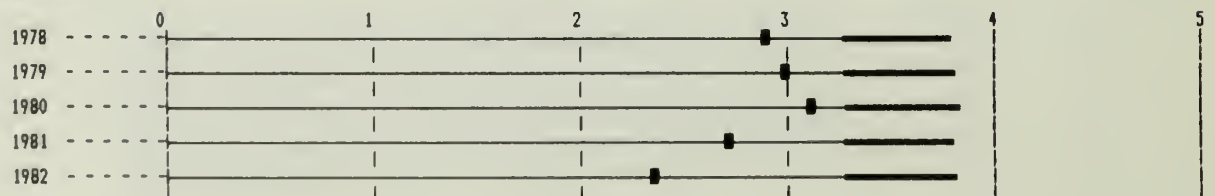


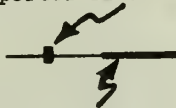
Figure 8 (continued) STATE FATALITY RATES (1978-1982)

WYOMING



LEGEND:

Reported fatality rate



Provisional range

SECTION VII—SUMMARY

The data presented in this report are intended for use in the evaluation of the highway safety performance of the States. The data were submitted by the States through the Highway Performance Monitoring System operated by the Federal Highway Administration.

A few States were unable to submit the data requested in time for inclusion in this compilation.

Analysis of the travel and accident data which have been presented is beyond the scope of this report.

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